

REDACTED VERSION

PLM SOIL SAMPLING ANALYTICAL RESULTS
JULY 1-31, 1997

Attn Barbara Storey
Ecology & Environment, Inc
11550 Newcastle Ave #250
Baton Rouge LA 70816

Tuesday July 01 1997

Ref Number TX972639

REC'D JUL 08 1997

POLARIZED LIGHT MICROSCOPY (PLM)

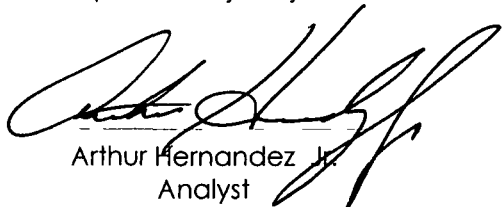
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS / 020601RAGI

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|--------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS233G01 | (b) (6) | Brown Non Fibrous Homogeneous | Teased | < 1% | Chrysotile | | 100% Other |
| WBS617G01 | | Brown Fibrous Homogeneous | Teased | 5% | Chrysotile < 1% Crocidolite | | 95% Other |
| WBS321G03 | | Brown Fibrous Homogeneous | Teased | 2% | Chrysotile < 1% Crocidolite | | 98% Other |
| WBS227G01 | | Brown Fibrous Homogeneous | Teased | 3% | Chrysotile | | 97% Other |
| WBS041G01 | | Brown Fibrous Homogeneous | Teased | 4% | Chrysotile | | 96% Other |
| WBS1285G01 | | Brown Non Fibrous Homogeneous | Teased | < 1% | Chrysotile < 1% Crocidolite | | 100% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Arthur Hernandez Jr.
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106)

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Tuesday July 01 1997

Ref Number TX972639

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS / 020601RAGI

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|------------|
| | | | | % | TYPE | % | NONFIBROUS |
| WBS264G01 | (b) (6) | Brown Non Fibrous Homogeneous | Teased | < 1% | Chrysotile | 100% | Other |
| WBS502G01 | | Brown Fibrous Homogeneous | Teased | 3% | Chrysotile < 1% Crocidolite | 97% | Other |
| WBS502G02 | | Brown Non Fibrous Homogeneous | Teased | 6% | Chrysotile < 1% Crocidolite | 94% | Other |
| WBS502G03 | | Brown Non Fibrous Homogeneous | Teased | 4% | Chrysotile < 1% Crocidolite | 96% | Other |
| WBS502G04 | | Brown Non Fibrous Homogeneous | Teased | 2% | Chrysotile < 1% Crocidolite | 98% | Other |
| WBS502G05 | | Brown Non Fibrous Homogeneous | Teased | 3% | Chrysotile < 1% Crocidolite | 97% | Other |

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 Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106)

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Tuesday July 01 1997

Ref Number TX972639

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS / 020601RAGI

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|----------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS529G01 | (b) (6) | Brown Non Fibrous Homogeneous | Teased | 5% Chrysotile < 1% Crocidolite | | | 95% Other |
| WBS529G02 | | Brown Non Fibrous Homogeneous | Teased | < 1% Chrysotile | | | 100% Other |
| WBS229G01 | | Brown Non Fibrous Homogeneous | Teased | < 1% Chrysotile < 1% Crocidolite | | | 100% Other |
| WBS229G02 | | Brown Non Fibrous Homogeneous | Teased | 2% Chrysotile < 1% Crocidolite | | | 98% Other |
| WBS529G03 | | Brown Non Fibrous Homogeneous | Teased | 2% Chrysotile < 1% Crocidolite | | | 98% Other |
| WBS523G01 | | Brown Non Fibrous Homogeneous | Teased | < 1% Chrysotile | | | 100% Other |

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Arthur Hernandez Jr
Analyst

Approved
Signatory

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Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106)

**OFFICIAL
CHAIN OF CUSTODY RECORD**

p192

| PROJ NO 020601 RAGI | | PROJECT NAME Westbank Asbestos | | | NO OF CON TAINERS | PLM (Asbestos) | | | | | REMARKS EPA Tag # |
|--|----------------|-----------------------------------|-------|---------------------------------|----------------------------|-----------------------------|---|-------------|--|-------------------------|--------------------------|
| SAMPLERS (Signature) <i>Laurence Rood</i> <i>Alvin M. Maggion</i> <i>Gregory R. Ray</i> | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | |
| 1 | WBS233 G01 | 06/25 97 | 1135 | X | (b) (6) | 1 | X | | | | 6-002386 |
| | WBS617 G01 | ↓ | 1310 | X | | 1 | X | | | | 6-002387 |
| 3 | WBS321 G03 | 6/25/97 | 16:11 | X | | 1 | X | | | | 6-002388 |
| | WBS227 G01 | 06/26 97 | 0910 | X | | 1 | X | | | | 6-032624 |
| 5 | WBS501 G01 | | 0955 | X | | 1 | X | | | | 6-032625 |
| | WBS1285 G01 | | 0959 | X | | 1 | X | | | | 6-032626 |
| 7 | WBS564 G01 | | 1050 | X | | 1 | X | | | | 6-032627 |
| | WBS502 G01 | | 0910 | X | | 1 | X | | | | 6-032619 |
| 9 | WBS502 G02 | | 0915 | X | | 1 | X | | | | 6-032620 |
| | WBS502 G03 | | 0930 | X | | 1 | X | | | | 6-032621 |
| 11 | WBS502 G04 | | 0935 | X | | 1 | X | | | | 6-032622 |
| | WBS502 G05 | | 0940 | X | | 1 | X | | | | 6-032623 |
| 13 | WBS529 G01 | | 1030 | X | (b) (6) | 1 | X | | | | 6-008695 |
| | WBS529 G02 | ↓ | 1036 | X | | 1 | X | | | | 6-008696 |
| 15 | WBS221 G01 | ↓ | 1402 | X | (b) (6) | 1 | X | | | | 6-032628 |
| Relinquished by (Signature) <i>Maggion</i> | | Date / Time 6-26-97/1630 | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received for Lab at (Signature) | | Date / Time 6/28/97 | | Remarks | | | |
| Shipped by FED-EX | | | | Airbill Number 225223566 | | | | | | | |

Shipment Pink to Coordinator Field Files

6- U8854

OFFICIAL
CHAIN OF CUSTODY RECORD

2 of 2

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbesto | | | | NO OF CON TAINERS | REMARKS EPA Tag # 6-032629 6-032630 6-032631 AR 6/26/97 6-032632 | | | | | | | | | | |
|--|-------------|----------------------------------|------|------|------------------|------------------------------|---|--|--|--|--|--|--|-------------|--|-------------------------|--|
| SAMPLERS (Signature) Maggie Dm | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | |
| WBS221 G02 | 06/26 97 | 1406 | X | | (b) (6) | 1 | X | | | | | | | | | | |
| WBS221 G03 | ↓ | 1514 | X | | | 1 | X | | | | | | | | | | |
| WBS221 G04 | ↓ | | X | | | 1 | X | | | | | | | | | | |
| WBS221 G01 | ↓ | 1615 | X | | | 1 | X | | | | | | | | | | |
| Maggie Dm | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) Maggie Dm | | | | | | Date / Time 6-26-97/1630 | | Received by (Signature) | | | | | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | | | | | Date / Time | | Received by (Signature) | | | | | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | | | | | Date / Time | | Received for Laboratory by (Signature) | | | | | | Date / Time | | Remarks | |
| Shipped by FED EX | | | | | | Airbill Number 2252335661 | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
in Warrant

6-08850

PLM Analysis Worksheet

1

Client Ecology & Environment, Inc

Logged 6/29/97

TAT 24 Hour

Address 11550 Newcastle Ave #250

Date/Time Due 6/30/97

9 00 AM

Baton Rouge LA 70816

Fax (504) 363 4732

Special Handling

Billing Number

TX972639

Project WESTBANK ASBESTOS / 020601RAGI

| Appearance | | | | Treatment | Asbestos Results | Fibrous | | Non Fibrous | | Optical Properties | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|-------------|--|--------------------|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | | | | |
| 2 Grey | 7 Black | 2 Non Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | Optical Properties |
|---------|----------|------------|-----------|----------------------|--------------|-----------|------------------|---------------|----------|--------------------|
| WBS233 | | 1 | | 1 Chrysotile | | | 7 | 100% | 1 | 15x9 / 55x |
| G01 | | 2 | 1 | < 1% | | | | | 1 | 15x9 / 55x |
| WBS617 | | 1 | | 1 Chrysotile | | | 7 | 95% | 1 | 15x9 / 55x |
| G01 | | 1 | 1 | 5% | | | | | 1 | 15x9 / 55x |
| | | 1 | | 6 Crocidolite < 1% | | | | | 2 | 15x9 / 55x |
| WBS321 | | 1 | | 1 Chrysotile - 2% | | | 7 | 98% | 1 | 15x9 / 55x |
| G03 | | 1 | 1 | 6 Crocidolite - < 1% | | | | | 1 | 15x9 / 55x |
| WBS227 | | 1 | | 1 Chrysotile | | | 7 | 97% | 2 | 15x9 / 55x |
| G01 | | 1 | 1 | 3% | | | | | 1 | 15x9 / 55x |
| WBS041 | | 1 | | 1 Chrysotile | | | 7 | 96% | 2 | 15x9 / 55x |
| G01 | | 1 | 1 | 4% | | | | | 1 | 15x9 / 55x |
| WBS1285 | | 1 | | 1 Chrysotile < 1% | | | 7 | 100% | 2 | 15x9 / 55x |
| G01 | | 2 | 1 | 6 Crocidolite < 1% | | | | | 1 | 15x9 / 55x |
| WBS264 | | 1 | | 1 Chrysotile < 1% | | | 7 | 100% | 2 | 15x9 / 55x |
| G-01 | | 2 | 1 | | | | | | 1 | 15x9 / 55x |
| WBS502 | | 1 | | 1 Chrysotile - 3% | | | 7 | 97% | 2 | 15x9 / 55x |
| G01 | | 1 | 1 | 6 Crocidolite < 1% | | | | | 1 | 15x9 / 55x |

Analyst

Date

07-01-97

Computer

Date

PLM Analysis Worksheet

2

Client Ecology & Environment Inc
Address 11550 Newcastle Ave #250
Baton Rouge LA 70816

Logged 6/29/97
Date/Time Due 6/30/97 9 00 AM

TAT 24 Hour

Fax (504) 363 4732

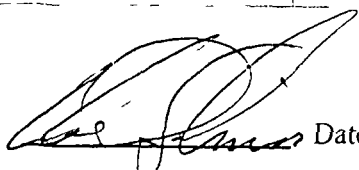
Special Handling

Billing Number

TX972639

Project WESTBANK ASBESTOS / 020601RAGI

| Appearance | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | | | |
|--|--|---------------------------------------|---|---|---|--|---|---|----------|---|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Var ous 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS502 G02 | | 1 2 | 1 | 1. Chry, 6 6-Croc, < 1% | | | 794 | | | 1 50/55 M S 2 B L M S P B E |
| WBS502 G03 | | 1 2 | 1 | 1 Chry, 4 6-Croc, < 1% | | | 796 | | | 1 B L M S P B E |
| WBS502 G04 | | 1 2 | 1 | 1 Chry, 2 6-Croc, < 1% | | | 798 | | | 1 B L M S P B E |
| WBS502 G05 | | 1 2 | 1 | 1 Chry, 3 6-Croc, < 1% | | | 797 | | | 1 B L M S P B E |
| WBS529 G01 | | 1 2 | 1 | 1 Chry, 5 6-Croc, < 1% | | | 795 | | | 1 B L M S P B E |
| WBS529 G02 | | 1 2 | 1 | 1 Chry, 2 6-Croc, < 1% | | | 798 | | | 1 B L M S P B E |
| WBS229 G01 | | 1 2 | 1 | 1 Chry, < 1% | | | 7100 | | | 1 B L M S P B E |
| WBS229 G02 | | 1 2 | 1 | 1 Chry, < 1% 6-Croc, < 1% | | | 7100 | | | 1 B L M S P B E |

Analyst  Date 7/1/97 Computer _____ Date _____

PLM Analysis Worksheet

3

Client Ecology & Environment, Inc
Address 11550 Newcastle Ave #250
Baton Rouge LA 70816
Fax (504) 363 4732

Logged 6/29/97
Date/Time Due 6/30/97 9 00 AM

TAT 24 Hour

Special Handling

Billing Number
TX972639

Project WESTBANK ASBESTOS / 020601RAGI

| Appearance | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties |
|------------|-----------|-------------|------------------|----------------|-----------------|--------------------|
| 1 Brown | 6 Various | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | |
| 2 Grey | 7 Black | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | |
| 3 Tan | 8 Silver | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | |
| 4 White | 9 Blue | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | |
| 5 Red | 0 Orange | | 5 Actinolite | 5 Other | 5 Matrix | |
| | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | |
| | | | 0 None Detected | 7 Hair | 7 Other | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | Optical Properties |
|--------|----------|------------|-----------|---------------|--------------|---|------------------|---|-------------|--------------------|
| WBS529 | | 1 | | 1. Chry, 2 | | | 798 | | 1.549, 5.56 | |
| G03 | | 2 | 1 | 6. Chry, < 1% | | | | | 2.1 | |
| WBS523 | | 1 | | 1 Chry, < 1% | | | 7/100 | | | |
| G01 | | 2 | 1 | | | | | | | |

Analyst [Signature] Date 7/1/97 Computer _____ Date _____



Attn: Lawrence Roedl
 Ecology & Environmental
 11550 New Castle Avenue
 Baton Rouge LA 70816

Tuesday July 01 1997

Ref Number IN97375

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

REC'D JUL 08 1997

Project WESTBANK ASBESTOS 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------------------|----------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS250GO1 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | None Detected | | 80% Quartz 20% Other | |
| WBS250GO2 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |
| WBS250GO3 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |
| WBS250GO4 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS250GO5 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 1% Chrysotile 1% Crocidolite | | 79% Quartz 19% Other | |
| WBS250GO6 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other | |

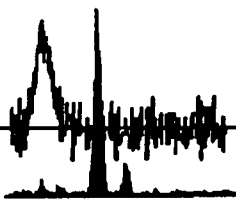
Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

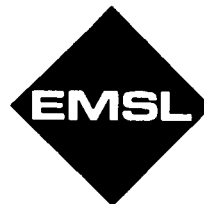
* NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
 Analyst

Approved
 Signatory

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Ecology & Environmental
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Tuesday July 01 1997

Ref Number IN97375

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS250GO7 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 1% Chrysotile 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS250GO8 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS250GO9 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS263GO1 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS420GO1 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |

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Jane Wasilewski
Analyst

Approved
Signatory

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PLM Analysis Worksheet

Client Ecology & Environmental

Logged 6/30/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/1/97 11 26 AM

Fax (504) 363 4939

Special Handling

Billing Number

IN97375

Project WESTBANK ASBESTOS 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|------------------|-----------------------------------|----------|--|
| 1 Brown | 6 Vanous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 Wavy 2 Straight 3 Specify | 1 S 2 | 1 Parallel 2 Symmetric 3 Oblique |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS250601 | | 1 | | ND | | | 1 | 80 | | |
| | | 2 | 2 | | | | 7 | 20 | | |
| | | 1 | | | | | | | | |
| 02 | | 1 | | 1- <1% | | | 1 | 80 | | |
| | | 2 | 2 | | | | 7 | 20 | | |
| | | 1 | | | | | | | | |
| 03 | | 1 | | 1- <1% | | | 1 | 80 | | |
| | | 2 | 2 | | | | 7 | 20 | | |
| | | 1 | | | | | | | | |
| 04 | | 1 | | 1- <1% | | | 1 | 80 | | |
| | | 2 | 2 | | | | 7 | 20 | | |
| | | 1 | | | | | | | | |
| 05 | | 1 | | 1- <1% | | | 1 | 80 | | |
| | | 2 | 2 | | | | 7 | 20 | | |
| | | 1 | | | | | | | | |
| 06 | | 1 | | 1- 2% | | | 1 | 80 | | |
| | | 2 | 2 | | | | 7 | 20 | | |
| | | 1 | | | | | | | | |

Analyst

Date

7/1/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 6/30/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/1/97 11 26 AM

Fax (504) 363 - 4939

Special Handling

Billing Number

IN97375

Project WESTBANK ASBESTOS 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non-Fibrous | Optical Properties |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|--------------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 Wavy |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 Straight |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | 3 Specify |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type % | Non-Fibrous Type % | # Layers | Optical Properties |
|-----------|----------|------------|-----------|----------------------|----------------|--------------------|--|--------------------|
| WBS250607 | | 1 | | 1 - 1 ⁹⁰ | | 1 80 | 154 1 153 ¹¹ | |
| | | 2 | 2 | 6 - 1 ⁹⁰ | | 7 18 | 1 ^M 1 ^S | |
| | | 1 | | | | | 2 ^P 1 ^B 1 ^E | |
| | | | | | | | 171 170 ¹¹ | |
| | | | | | | | 2 ^M 2 ^S | |
| | | | | | | | 1 ^P 1 ^B 1 ^E | |
| 08 | | 1 | | 1 - <1 ⁹⁰ | | 1 80 | 154 1 153 ¹¹ | |
| | | 2 | 2 | | | 7 20 | 1 ^M 1 ^S | |
| | | 1 | | | | | 2 ^P 1 ^B 1 ^E | |
| ↓ 09 | | 1 | | 1 - <1 ⁹⁰ | | 1 80 | 154 1 153 ¹¹ | |
| | | 2 | 2 | 6 <1 ⁹⁰ | | 7 20 | 1 ^M 1 ^S | |
| | | 1 | | | | | 2 ^P 1 ^B 1 ^E | |
| | | | | | | | 171 170 ¹¹ | |
| | | | | | | | 2 ^M 2 ^S | |
| | | | | | | | 1 ^P 1 ^B 1 ^E | |
| WBS263601 | | 1 | | 1 - <1 ⁹⁰ | | 1 80 | 154 1 153 ¹¹ | |
| | | 2 | 2 | | | 7 20 | 1 ^M 1 ^S | |
| | | 1 | | | | | 2 ^P 1 ^B 1 ^E | |
| WBS420601 | | 1 | | ND | | 1 80 | 1 ^M 1 ^S | |
| | | 2 | 2 | | | 7 20 | 2 ^P 1 ^B 1 ^E | |
| | | 1 | | | | | 1 ^M 1 ^S | |
| | | | | | | | 2 ^P 1 ^B 1 ^E | |

Analyst

[Signature]

Date

7/1/97

Computer

Date

OFFICIAL CHAIN OF CUSTODY RECORD

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

Attn Lawrence Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 02 1997

Ref Number IN97379

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 02060 RAGI - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|---|------|-------------------------|--------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS265G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Amosite | | 80% Quartz 18% Other | |
| WBS265G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS265G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS215G04 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Amosite < 1% Crocidolite | | 80% Quartz 18% Other | |
| WBS551G04 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Amosite < 1% Crocidolite | | 80% Quartz 18% Other | |
| WBS234G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other | |

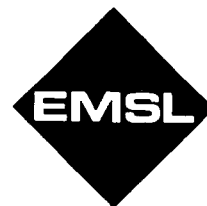
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret S Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



Attn Lawrence Roedl
Ecology & Environmental
 11550 New Castle Avenue
 Baton Rouge LA 70816

Wednesday July 02 1997

Ref Number IN97379

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 02060 RAGI - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS234G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS234G03 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS797G01 | | Brown Non Fibrous Homogeneous | Crushed | 1% | Chrysotile 1% Crocidolite | | 80% Quartz 18% Other |
| WBS797G02 | | Brown Non Fibrous Homogeneous | Crushed | 1% | Chrysotile 1% Crocidolite | | 80% Quartz 18% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
 Also *# of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret S. Phillips
 Margaret Phillips
 Analyst

[Signature]
 Approved
 Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos Thus negative PLM results cannot be guaranteed Floor tiles and wipes should be tested with either SEM or TEM The above test report relates only to the items tested This report may only be reproduced in full with written approval by EMSL The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government All NVLAP reports with NVLAP logo must contain at least one signature to be valid Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | NO OF CON TAINERS | | REMARKS PLM (Wastes) | | | | | | | | | | | | | |
|--|--------------|-----------------------------------|------|----------------------------|------------------|-----------------------------|---|--|--|--|--|--|--|--|--|--|--|--|----------|
| SAMPLERS (Signature) Alma Rillera Gregory R Day Lawrence Roedl MAGNUM | | | | | | | | | | | | | | | | | | | |
| STA NO | DATE 1997 | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | | | |
| WBS265 G01 | 6/30 | 1108 | X | | (b) (6) | 1 | X | | | | | | | | | | | | 6-003710 |
| WBS265 G02 | ↓ | 1120 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003711 |
| WBS265 G03 | ↓ | 1125 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003712 |
| WBS215 G04 | ↓ | 1154 | X | | (b) (6) | 1 | X | | | | | | | | | | | | 6-003712 |
| WBS351 G04 | ↓ | 1440 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003714 |
| WBS274 G01 | ↓ | 1515 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003715 |
| WBS274 G02 | ↓ | 1520 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003716 |
| WBS274 G03 | ↓ | 1520 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003717 |
| WBS797 G01 | ↓ | 1547 | X | | (b) (6) | 1 | X | | | | | | | | | | | | 6-003718 |
| WBS797 G02 | ↓ | 1554 | X | | ↓ | 1 | X | | | | | | | | | | | | 6-003719 |
| <div>Relinquished by (Signature) Lawrence Roedl</div> <div>Date / Time 6/30/97 1706</div> <div>Received by (Signature)</div> <div>Relinquished by (Signature)</div> <div>Date / Time</div> <div>Received by (Signature)</div> <div>Relinquished by (Signature)</div> <div>Date / Time</div> <div>Received by (Signature)</div> <div>Relinquished by (Signature)</div> <div>Date / Time</div> <div>Received for Laboratory by (Signature)</div> <div>Date / Time</div> <div>Remarks</div> <div>Shipped by FedEX</div> <div>Airbill Number 3903750454</div> <div>Distribution White Accompanies Shipment Pink to Coordinator Field Files</div> | | | | | | | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

6- 03863

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/1/97

TAT 1 Day

①

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/2/97 9 00 AM

Fax (504) 363 - 4939

Special Handling

Billing Number

IN97379

Project 02060 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|----------------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|--|----------|-------------------------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div> <div>1 M</div> <div>2 S</div> <div>3 Specify</div> </div> | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | <div> <div>1 Yes</div> <div>2 No</div> <div>3 Specify</div> </div> | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | <div> <div>1 Yes</div> <div>2 No</div> <div>3 Specify</div> </div> | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | <div> <div>1 Yes</div> <div>2 No</div> <div>3 Specify</div> </div> | | |
| | | | | | | | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | |
| WBS265601 | | 1 | | 1-2% | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 2- <1% | | | 7 | 18 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| WBS265602 | | | | | | | | | | 167 170 |
| | | | | | | | | | | 2 ^M 1 ^S |
| | | | | | | | | | | 2 ^B 1 ^E |
| WBS265602 | | 1 | | 1- <1% | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| | | | | | | | | | | 171 170 |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^B 1 ^E |
| WBS265603 | | 1 | | 1- <1% | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| | | | | | | | | | | 171 170 |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^B 1 ^E |
| WBS215404 | | 1 | | 1-2% | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 2- <1% | | | 7 | 18 | | 1 ^M 1 ^S |
| | | 1 | | 6- <1% | | | | | | 2 ^B 1 ^E |
| | | | | | | | | | | 167 170 |
| | | | | | | | | | | 2 ^M 1 ^S |
| | | | | | | | | | | 2 ^B 1 ^E |

Analyst Margaret Phillips Date 7/2/97 Computer _____ Date _____

PLM Analysis Worksheet

2

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/1/97
Date/Time Due 7/2/97 9 00 AM

TAT 1 Day

Fax (504) 363 4939

Special Handling

Billing Number

IN97379

Project 02060 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | | Non Fibrous | | Optical Properties | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|-----------------|---|----------|---|----------------|
| 1 Brown | 6 Vanous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div> <div>1 Wavy</div> <div>2 Straight</div> <div>3 Specify</div> </div> <div> <div>1 Low</div> <div>2 Med</div> <div>3 High</div> </div> <div> <div>1 Parallel</div> <div>2 Symmetrical</div> <div>3 Oblique</div> </div> | | <div> <div>1 Wavy</div> <div>2 Straight</div> <div>3 Specify</div> </div> <div> <div>1 Low</div> <div>2 Med</div> <div>3 High</div> </div> <div> <div>1 Parallel</div> <div>2 Symmetrical</div> <div>3 Oblique</div> </div> | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous | | Non Fibrous | | # Layers | | |
| WBS551604 | | 1 | | 1-2% | | | 1 | 80 | | 154 | 155 |
| | | 2 | 2 | 2-<1% | | | 7 | 18 | | 1 ^M | 1 ^S |
| | | 1 | | 6-<1% | | | | | | 2 ^P | 1 ^E |
| | | | | | | | | | | 167 | 170 |
| | | | | | | | | | | 2 ^M | 1 ^S |
| WBS234601 | | | | | | | | | | 2 ^P | 1 ^E |
| | | | | | | | | | | 171 | 170 |
| | | | | | | | | | | 2 ^M | 2 ^S |
| | | | | | | | | | | 1 | 1 |
| | | | | | | | | | | 1 | 1 |
| WBS234602 | | 1 | | 1-2% | | | 1 | 80 | | 154 | 155 |
| | | 2 | 2 | 6-<1% | | | 7 | 18 | | 1 ^M | 1 ^S |
| | | 1 | | | | | | | | 2 ^P | 1 ^E |
| | | | | | | | | | | 171 | 170 |
| | | | | | | | | | | 2 ^M | 2 ^S |
| WBS234603 | | | | | | | | | | 1 | 1 |
| | | 1 | | 1-<1% | | | 1 | 80 | | 154 | 155 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S |
| | | 1 | | | | | | | | 2 ^P | 1 ^E |
| | | | | | | | | | | 1 | 1 |
| WBS234603 | | 1 | | NO | | | 1 | 80 | | | |
| | | 2 | 2 | | | | 7 | 20 | | | |
| | | 1 | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| WBS797601 | | 1 | | 1-1% | | | 1 | 80 | | 154 | 155 |
| | | 2 | 2 | 6-1% | | | 7 | 18 | | 1 ^M | 1 ^S |
| | | 1 | | | | | | | | 2 ^P | 1 ^E |
| | | | | | | | | | | 171 | 170 |
| | | | | | | | | | | 2 | 2 |

Analyst Maryann Phillips Date 7/2/97 Computer _____ Date _____

③

TAT 1 Day

9 00 AM

Fax (504) 363 - 4939

Special Handling

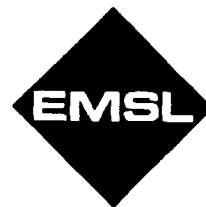
Billing Number

IN97379

Project 02060 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | Non Fibrous | # Layers | Optical Properties |
|--|--|---------------------------------------|---|---|---|--|---|-------------|--|--|
| 1 Brown Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | | | 1 W vs V 2 Straight 3 Specify |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Type | % | Type | % | # Layers | P B E 1 Yr 1 Low Parallel 2 No 2 Med Symmetric 3 High 3 Oblique |
| | | 1 | | 1-1% | | | 1 | 80 | 1.54 1.55 ^M | S |
| WBS 797 G02 G02 | | 2 | 2 | 6-1% | | | 7 | 18 | 1 ^M 1 ^E | S |
| | | 1 | | | | | | | 2 ^B 1 ^E | E |
| | | | | | | | | | 1.71 1.70 ^I | |
| | | | | | | | | | 2 ^M 2 ^S | S |
| | | | | | | | | | 1 ^P 1 ^B 1 ^E | E |
| | | | | | | | | | 1 ^I | |
| | | | | | | | | | V ^M | S |
| | | | | | | | | | P ^P B ^B E ^E | E |
| | | | | | | | | | 1 ^I | |
| | | | | | | | | | V ^M | S |
| | | | | | | | | | P ^P B ^B E ^E | E |
| | | | | | | | | | 1 ^I | |
| | | | | | | | | | V ^M | S |
| | | | | | | | | | P ^P B ^B E ^E | E |
| | | | | | | | | | 1 ^I | |
| | | | | | | | | | V ^M | S |
| | | | | | | | | | P ^P B ^B E ^E | E |
| | | | | | | | | | 1 ^I | |
| | | | | | | | | | V ^M | S |
| | | | | | | | | | P ^P B ^B E ^E | E |

Analyst Margaret S. Phillips Date 7/2/97 Computer _____ Date _____



Attn Lawrence Roedl
 Ecology & Environmental
 11550 New Castle Avenue
 Baton Rouge LA 70816

Wednesday July 02 1997

Ref Number IN97380

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBC1116G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 78% Quartz 20% Other |
| WBC1116G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBC1116G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS262G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS262G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS262G03 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |

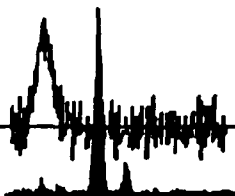
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
 Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski
 Analyst

Approved
 Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



Attn: Lawrence Roedl
Ecology & Environmental
 11550 New Castle Avenue
 Baton Rouge LA 70816

Wednesday July 02 1997

Ref Number IN97380

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|------------------|-------------------------------------|------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS1031G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 3% | Chrysotile | | 80% Quartz 17% Other |
| WBS1031G02 | | Brown Non Fibrous Homogeneous | Crushed | 3% | Chrysotile | | 80% Quartz 17% Other |
| WBS1031G03 | | Brown Non Fibrous Homogeneous | Crushed | 3% Chrysotile 2% Crocidolite | | | 80% Quartz 15% Other |
| WBS1031G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS1031G05 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS551G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


 Jane Wasilewski
 Analyst


 Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL

Attn Lawrence Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 02 1997

Ref Number IN97380

POLARIZED LIGHT MICROSCOPY (PLM)

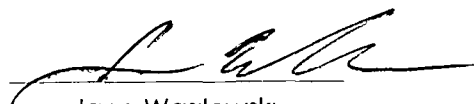
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS551G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS551G03 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS215G01 | | Brown Non Fibrous Homogeneous | Crushed | 3% Chrysotile 1% Crocidolite | | | 80% Quartz 16% Other |
| WBS215G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS215G03 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 17% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

OFFICIAL
CHAIN OF CUSTODY RECORD

1 of 2

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PLM (Asbestos)</div> | | | | | | | | | | REMARKS EPA Tag # |
|---|-------|-----------------------------------|------|------|------------------|----------------------------|--|--|--|--|--|--|--|--|--|--|--------------------------|
| SAMPLERS (Signature) <i>Alma Rullera Maguadon Gregory E Day</i> | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | |
| WBS | 06-28 | 06-28 | | | | | | | | | | | | | | | |
| 1116601 | 97 | 97 | | | (b) (6) | | | | | | | | | | | | AK 6/28/97 |
| WBS WBC | 06-28 | 0740 | X | | (b) (6) | 1 | X | | | | | | | | | | 6-032646 |
| 1116601 | 97 | | | | | 1 | X | | | | | | | | | | 6-032647 |
| WBS WBC | | 0750 | X | | | 1 | X | | | | | | | | | | 6-032648 |
| 1116602 | | | | | | 1 | X | | | | | | | | | | 6-032649 |
| WBS WBC | | 0740 | X | | (b) (6) | 1 | X | | | | | | | | | | 6-032650 |
| 1116603 | | | | | | 1 | X | | | | | | | | | | 6-002389 |
| WBS262 | | 0945 | X | | (b) (6) | 1 | X | | | | | | | | | | 6-002390 |
| G01 | | | | | | 1 | X | | | | | | | | | | 6-002391 |
| WBS262 | | 0950 | X | | | 1 | X | | | | | | | | | | 6-002392 |
| G02 | | | | | | 1 | X | | | | | | | | | | 6-002393 |
| WBS262 | | 0953 | X | | (b) (6) | 1 | X | | | | | | | | | | 6-002394 |
| G03 | | | | | | 1 | X | | | | | | | | | | 6-002398 |
| WBS103 | | 1320 | X | | (b) (6) | 1 | X | | | | | | | | | | 6-002399 |
| G01 | | | | | | 1 | X | | | | | | | | | | 6-002400 |
| WBS103 | | 1325 | X | | | 1 | X | | | | | | | | | | |
| G02 | | | | | | 1 | X | | | | | | | | | | |
| WBS103 | | 1330 | X | | | 1 | X | | | | | | | | | | |
| G03 | | | | | | 1 | X | | | | | | | | | | |
| WBS103 | | 1330 | X | | | 1 | X | | | | | | | | | | |
| G04 | | | | | | 1 | X | | | | | | | | | | |
| WBS103 | | 1340 | X | | (b) (6) | 1 | X | | | | | | | | | | |
| G05 | | | | | | 1 | X | | | | | | | | | | |
| WBS551 | | 1450 | X | | | 1 | X | | | | | | | | | | |
| G01 | | | | | | 1 | X | | | | | | | | | | |
| WBS551 | | 1440 | X | | | 1 | X | | | | | | | | | | |
| G02 | | | | | | 1 | X | | | | | | | | | | |
| WBS551 | | 1435 | X | | | 1 | X | | | | | | | | | | |
| G03 | | | | | | 1 | X | | | | | | | | | | |

| | | | | | |
|---|------------------------------|--|-----------------------------|-------------|-------------------------|
| Relinquished by (Signature) <i>Alma Rullera Maguadon</i> | Date / Time 6/28/97 16.19 | Received by (Signature) | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received by (Signature) | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received for Laboratory by (Signature) | Date / Time | Remarks | |
| Shipped by FED - EX | | Airbill Number 3903750476 | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

2 of 2

EPA 7500-53
(11/96)

6- 118857

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/1/97
Date/Time Due 7/2/97 9 00 AM

TAT 1 Day

Fax (504) 363 4939

Special Handling

Billing Number

IN97380

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | | Non Fibrous | | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|--|-------------|--|--------------------|--|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | | | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | P | B | E |
|------------|----------|------------|-----------|------------|--------------|---|------------------|----|----------|------|------|---|
| WBC1116401 | | 1 | 2 | 1 - 2% | | | 1 | 78 | | 1.54 | 1.55 | |
| | | 2 | | 6 - <1 | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | |
| 602 | | 1 | 2 | 1 - <1 | | | 1 | 80 | | 1.71 | 1.70 | |
| | | 2 | | 6 - <1 | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | |
| 603 | | 1 | 2 | 1 - <1 | | | 1 | 80 | | 1.54 | 1.55 | |
| | | 2 | | 6 - <1 | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | |
| WBS262601 | | 1 | 2 | 1 - 2% | | | 1 | 80 | | 1.54 | 1.55 | |
| | | 2 | | 6 - <1 | | 7 | 18 | | | | | |
| | | 1 | | | | | | | | | | |

Analyst

Date

7/2/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental

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TAT 1 Day

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Fax (504) 363 - 4939

Special Handling

Billing Number

IN97380

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|--|----------|-----------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 Warn 2 Straight 3 Specify </div> <div> 1 Low 2 Med 3 High </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div> | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | |
| WBS262602 | | 1 | | 1-2% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | 6-1% | | | 7 | 18 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 E |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 1 E |
| G03 | | 1 | | 1-2% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | 6-1% | | | 7 | 18 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 E |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 1 E |
| WBS1031601 | | 1 | | 1-3% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 17 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 E |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 1 E |
| G02 | | 1 | | 1-3% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 17 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 E |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 1 E |
| G03 | | 1 | | 1-3% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | 6-2% | | | 7 | 15 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 E |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 1 E |

Analyst

Date

7/2/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/1/97
Date/Time Due 7/2/97 9 00 AM

TAT 1 Day

Fax (504) 363 4939

Special Handling

Billing Number

IN97380

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | |
|--|---|---------------------------------------|---|---|---|--|---|--|-----------|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Varous 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | <div> <div>1 W 2 V 3 Straight 4 Specify</div> <div>1 Low 2 Mid 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div> | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers |
| WBS1031604 | | 1 | | 1- < 1 ⁷⁰ | | | 1 | 80 | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 20 | 1 M 1 S |
| | | 1 | | | | | | | P 2 B 1 E |
| G05 | | 1 | | 1- < 1 ⁷⁰ | | | 1 | 80 | 1.54 1.55 |
| | | 2 | 2 | 6- < 1 ⁷⁰ | | | 7 | 20 | 1 M 1 S |
| | | 1 | | | | | | | P 2 B 1 E |
| | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | 2 M 2 S |
| | | | | | | | | | P 1 B 1 E |
| WBS557601 | | 1 | | 1- < 1 ⁷⁰ | | | 1 | 80 | 1.54 1.55 |
| | | 2 | 2 | 6- < 1 ⁷⁰ | | | 7 | 20 | 1 M 1 S |
| | | 1 | | | | | | | P 2 B 1 E |
| | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | 2 M 2 S |
| | | | | | | | | | P 1 B 1 E |
| G02 | | 1 | | 1- < 1 ⁷⁰ | | | 1 | 80 | 1.54 1.55 |
| | | 2 | 2 | 6- < 1 | | | 7 | 20 | 1 M 1 S |
| | | 1 | | | | | | | P 2 B 1 E |
| | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | 2 M 2 S |
| | | | | | | | | | P 1 B 1 E |
| G03 | | 1 | | 1- 2 ⁹⁰ | | | 1 | 80 | 1.54 1.55 |
| | | 2 | 2 | 6- < 1 | | | 7 | 18 | 1 M 1 S |
| | | 1 | | | | | | | P 2 B 1 E |
| | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | 2 2 |
| | | | | | | | | | 1 1 1 |

Analyst [Signature] Date 7/2/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/1/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/2/97

9 00 AM

Fax (504) 363 4939

Special Handling

Billing Number

IN97380

Project 020601 RAG1 - WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|----------------------|------------------|----------------|------------------|---|---|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 Wavy 2 Straight 3 Specular </div> <div> 1 Low 2 Med 3 High </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div> | <div style="display: flex; justify-content: space-between;"> <div> 1 M 2 S 3 E </div> <div> 1 M 2 S 3 E </div> </div> | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Amphophyllite | 3 Min. Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WB5215601 | | 1 | | 1 - 3 ⁷⁰ | | | 1 | 80 | | 154 ¹ 135 ¹ |
| | | 2 | 2 | 6 - 1 ⁷⁰ | | | 7 | 16 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| | | | | | | | | | | 171 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^P 1 ^B 1 ^E |
| 602 | | 1 | | 1 - <1 ⁷⁰ | | | 1 | 80 | | 154 ¹ 135 ¹ |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| | | | | | | | | | | 171 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^P 1 ^B 1 ^E |
| 603 | | 1 | | 1 - 2 ⁷⁰ | | | 1 | 80 | | 154 ¹ 135 ¹ |
| | | 2 | 2 | 6 - 1 ⁷⁰ | | | 7 | 17 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| | | | | | | | | | | 171 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^P 1 ^B 1 ^E |
| | | | | | | | | | | 171 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^P 1 ^B 1 ^E |
| | | | | | | | | | | 171 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^P 1 ^B 1 ^E |

Analyst [Signature] Date 7/2/97 Computer _____ Date _____

Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 03 1997

Ref Number IN97394

POLARIZED LIGHT MICROSCOPY (PLM)

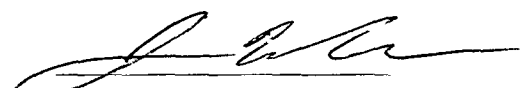
Performed by EPA 600/R-93/116 Method*

Project 02061 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS |
| WBS213G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS035G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS389G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS389G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 3% | Chrysotile | | 80% Quartz 17% Other |
| WBS389G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 2% | Chrysotile Crocidolite | | 80% Quartz 18% Other |
| WBS389G04 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Attn Larry Roedl
Ecology & Environmental
 11550 New Castle Avenue
 Baton Rouge LA 70816

Thursday July 03 1997

Ref Number IN97394

POLARIZED LIGHT MICROSCOPY (PLM)

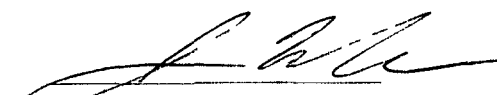
Performed by EPA 600/R-93/116 Method*

Project 02061 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS981G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
 Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


 Jane Wasilewski
 Analyst


 Approved
 Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
 Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188 0)

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/2/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/3/97

9 30 AM

Fax (504) 363 - 4833

Special Handling

Billing Number

IN97394

Project 02061 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|--|--|---------------------------------------|---|---|---|--|---|--|----------|-------------|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | <div>1 W vs M 2 Straight 3 Specify</div> <div>1 S 2</div> <div>1 P 2 N</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | |
| WBS213601 | | 1 | 2 | 1 - <1 | | | 1 | 80 | | 1.54 1.53 |
| | | 2 | | 6 - <1 | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | 2 B 1 E | | |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 P 1 B 1 E |
| WBS035 601 | | 1 | 2 | 1 - <1 | | | 1 | 80 | | 1.54 1.53 |
| | | 2 | | 6 - <1 | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | 2 B 1 E | | |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 P 1 B 1 E |
| WBS384 601 | | 1 | 2 | 1 - <1 | | | 1 | 80 | | 1.54 1.53 |
| | | 2 | | 6 - <1 | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | 2 B 1 E | | |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | 1 P 1 B 1 E |
| 602 | | 1 | 2 | 1 - 3 ⁷⁰ | | | 1 | 80 | | 1.54 1.53 |
| | | 2 | | | | | 7 | 17 | | 1 M 1 S |
| | | 1 | | | | | | 2 B 1 E | | |
| 603 | | 1 | 2 | 1 - 2 ⁷⁰ | | | 1 | 80 | | 1.54 1.53 |
| | | 2 | | 6 - <1 | | | 7 | 18 | | 1 M 1 S |
| | | 1 | | | | | | 2 B 1 E | | |
| | | | | | | | | | | 1.71 1.70 |
| | | | | | | | | | | 2 2 |
| | | | | | | | | | | 1 1 1 |

Analyst

Date

7/3/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/2/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/3/97

9 30 AM

Fax (504) 363 - 4833

Special Handling

Billing Number

IN97394

Project 02061 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | # Layers | Optical Properties |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|----------|--------------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | |
| WBS 389604 | | 1 | | | 1- < 1 | | 7 80 | | 154' 155' |
| | | 2 | 2 | | 6- < 1 | | 7 20 | | 1 M 1 S |
| | | 1 | | | | | | | P B E |
| | | | | | | | | | 171 170 |
| | | | | | | | | | 2 M 2 S |
| | | | | | | | | | P B E |
| WBS 981601 | | 1 | | | 1- < 1 | | 1 80 | | 154' 155' |
| | | 2 | 2 | | | | 7 20 | | 1 M 1 S |
| | | 1 | | | | | | | P B E |
| | | | | | | | | | 1 11 |
| | | | | | | | | | M S |
| | | | | | | | | | P B E |
| | | | | | | | | | 1 11 |
| | | | | | | | | | M S |
| | | | | | | | | | P B E |
| | | | | | | | | | 1 11 |
| | | | | | | | | | M S |
| | | | | | | | | | P B E |
| | | | | | | | | | 1 11 |
| | | | | | | | | | M S |
| | | | | | | | | | P B E |

Analyst [Signature] Date 7/3/97 Computer _____ Date _____

**OFFICIAL
CHAIN OF CUSTODY RECORD**

| | | | | | | | | | | | | | | | | | |
|---|----------|-----------------------------------|------|---|------------------|-----------------------------|--|-------------|--|-------------------------|--|--|--|--|-----------------------|--|---------|
| PROJ NO 020601 RAGI | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PLM (Asbestos)</div> | | | | | | | | | | REMARKS |
| SAMPLERS (Signature) <i>Laurence Reed</i> <i>Gregory Raby</i> <i>Maciejm</i> <i>Alma Rilk.</i> | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | |
| WBS213 G01 | 07/01/97 | 0952 | X | | (b) (6) | 1 | X | | | | | | | | EPA Tag # 6-003720 | | |
| WBS035 G01 | | 1126 | X | | | 1 | X | | | | | | | | 6-003721 | | |
| WBS389 G01 | | 1211 | X | | | 1 | X | | | | | | | | 6-003722 | | |
| WBS389 G02 | | 1200 | X | | | 1 | X | | | | | | | | 6-003723 | | |
| WBS389 G03 | | 1205 | X | | | 1 | X | | | | | | | | 6-003724 | | |
| WBS389 G04 | | 1211 | X | | | 1 | X | | | | | | | | 6-003725 | | |
| WBS981 G01 | | 1450 | X | | (b) (6) | 1 | X | | | | | | | | 6-003726 | | |
| <div style="font-size: 2em; transform: rotate(-15deg); opacity: 0.5;">MAGIEJ</div> | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) <i>Maciejm</i> | | Date / Time 7-01-97 1700 | | Received by (Signature) <i>Attnd</i> 7/2/97 9:30AM | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | | | | | |
| Shipped by FED - EX | | | | Airbill Number 3903750465 | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant



Attn Lawrence Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 07 1997

Ref Number IN97408

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS |
| WBS395G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS395G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS552G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS552G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS502G05A | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS221G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

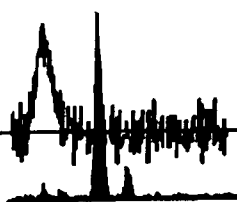
Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski
Analyst

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos Thus negative PLM results cannot be guaranteed Floor tiles and wipes should be tested with either SEM or TEM The above test report relates only to the items tested This report may only be reproduced in full with written approval by EMSL The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government All NVLAP reports with NVLAP logo must contain at least one signature to be valid Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



Attn Lawrence Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 07 1997

Ref Number IN97408

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | <u>ASBESTOS</u> | | <u>NONASBESTOS</u> | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|--------------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS555G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS540G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS540G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS540G03 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS427G01 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS427G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Margaret Phillips
Analyst

Robert H. Smith
Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



Attn: Lawrence Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 07 1997

Ref Number IN97408

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS219G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS219G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS219G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS219G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1046G01 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS1046G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

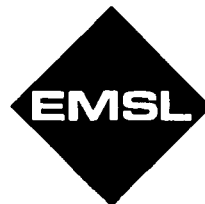
Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)



Attn Lawrence Roedl
Ecology & Environmental
 11550 New Castle Avenue
 Baton Rouge LA 70816

Monday July 07 1997

Ref Number IN97408

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | <u>ASBESTOS</u> | | <u>NONASBESTOS</u> | |
|------------|----------|-------------------------------------|---------------------|-----------------|---------------------------|--------------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS1046G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
 Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
 Analyst

Approved
 Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
 Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/3/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/7/97 9 00 AM

Fax (504) 363 4939

Special Handling

Billing Number

IN97408

Project WESTBANK ASBESTOS 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|--|---|---------------------------------------|---|---|---|--|---|--|----------|------------------------------------|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Vanous 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | <div> <div>11 Wavy 12 Straight 13 Specify</div> <div>M S</div> <div>P B E</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div> | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non-Fibrous Type | % | # Layers | |
| WBS395601 | | 1 | | 1- < 1 ⁹⁰ | | | 1 | 80 | | 154 ¹ 153 ¹ |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| ↓ 602 | | 1 | | 1- < 1 ⁹⁰ | | | 1 | 80 | | 154 ¹ 153 ¹ |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| WBS552602 | | 1 | | 1-2 ⁹⁰ | | | 1 | 80 | | 154 ¹ 153 ¹ |
| | | 2 | 2 | 6- < 1 | | | 7 | 18 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| | | | | | | | | | | 1.71 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^B 1 ^E |
| 601 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 ¹ 153 ¹ |
| | | 2 | 2 | 6- < 1 | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| | | | | | | | | | | 1.71 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^B 1 ^E |
| WBS502605A | | 1 | | 1-2 ⁹⁰ | | | 1 | 80 | | 154 ¹ 153 ¹ |
| | | 2 | 2 | 6- < 1 | | | 7 | 18 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^B 1 ^E |
| | | | | | | | | | | 171 ¹ 170 ¹ |
| | | | | | | | | | | 2 ^M 2 ^S |
| | | | | | | | | | | 1 ^B 1 ^E |

Analyst [Signature] Date 7/7/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/3/97
Date/Time Due 7/7/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4939

Special Handling

Billing Number

IN97408

Project WESTBANK ASBESTOS 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|---------------------|------------------|----------------|------------------|---|----------|---------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 Wavy 2 Straight 3 Specify </div> <div> 1 S 2 L 3 Oblique </div> </div> | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS221601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 1 E |
| WBS555601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 1 E |
| WBS540601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 1 E |
| ↓ G02 | | 1 | | 1 - 2 ⁷⁰ | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6 - <1 | | | 7 | 18 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 1 1 E |

Analyst [Signature] Date 7/7/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/3/97
Date/Time Due 7/7/97 9 00 AM

TAT 1 Day

Fax (504) 363 4939

Special Handling

Billing Number

IN97408

Project WESTBANK ASBESTOS 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non-Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|--|----------|---------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 Wavy 2 Straight 3 Specify </div> <div> 1 Low 2 Med 3 High </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div> | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| W88540603 | | 1 | | 1-2% | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | 6-1 | | | 7 | 18 | | 1 M 1 S |
| | | 1 | | | | | | | | P B E |
| | | | | | | | | | | 171 170 |
| | | | | | | | | | | 2 M 2 S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 1 |
| W88427601 | | 1 | | ND | | | 1 | 80 | | M S |
| | | 2 | 2 | | | | 7 | 20 | | P B E |
| | | 1 | | | | | | | | 1 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |

Analyst J. R. R. Date 7/7/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/3/97
Date/Time Due 7/7/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4939

Special Handling

Billing Number

IN97408

Project WESTBANK ASBESTOS 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | | Non Fibrous | | Optical Properties | | | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|------------------|---|-------------|----------------|--------------------|----------------|-----|--|
| 1 Brown | 6 Vanous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div><div>1 Wavy 2 Straight 3 Specify</div><div><div>M</div><div>S</div></div><div><div>P</div><div>B</div><div>E</div></div><div><div>1 Yes 2 No</div><div><div>1 Low 2 Med 3 High</div><div><div>1 Parallel 2 Symmetric 3 Oblique</div></div></div></div></div> | | | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | | | | | |
| WBS427G02 | | 1 | | 1-2% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 18 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |
| WBS219G01 | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |
| WBS219G02 | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |
| WBS219G03 | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |
| WBS214G04 | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |
| WBS104G01 | | 1 | | ND | | | 1 | 80 | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | | M | S | | |
| | | 1 | | | | | | | | P | B | E | | |
| WBS104G02 | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |
| WBS104G03 | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | 171 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 | | |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E | 1/2 | |

Analyst Marybeth Phillips Date 7/7/97 Computer _____ Date _____

OFFICIAL
CHAIN OF CUSTODY RECORD

10F2

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | PLM (Asbestos) | | | | | | | | | | REMARKS |
|---|-------------|-----------------------------------|------|---|------------------|-----------------------------|----------------|-------------|--|-------------------------|--|-----------------------------|--|-------------|----------|-------------------------|---------|
| SAMPLERS (Signature) Alma Rullere Maggion Laurence Roedl | | | | | | | EPA Tag # | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | |
| WBS395 G01 | 07-02 97 | 738 | X | | (b) (6) | 1 | X | | | | | | | | 6-003729 | | |
| WBS395 G02 | | 740 | X | | ↓ | 1 | X | | | | | | | | 6-003730 | | |
| WBS552 G02 | | 0753 | X | | (b) (6) | 1 | X | | | | | | | | 6-003728 | | |
| WBS552 G01 | | 0749 | X | | ↓ | 1 | X | | | | | | | | 6-003727 | | |
| WBS502 G105A | ↓ | 1025 | X | | (b) (6) | | X | | | | | | | | 6-003731 | | |
| WBS221 G01 | ↓ | 1050 | X | | | | X | | | | | | | | 6-003732 | | |
| WBS555 G01 | ↓ | 1324 | X | | | 1 | X | | | | | | | | 6-003733 | | |
| WBS540 G01 | ↓ | 1510 | X | | | 1 | X | | | | | | | | 6-003734 | | |
| WBS540 G02 | | 1520 | X | | ↓ | 1 | X | | | | | | | | 6-003735 | | |
| WBS540 G03 | ↓ | 1525 | X | | ↓ | 1 | X | | | | | | | | 6-003736 | | |
| WBS527 G01 | | 1400 | X | | (b) (6) | 1 | X | | | | | | | | 6-003737 | | |
| WBS527 G02 | ✓ | 1405 | X | | | 1 | X | | | | | | | | 6-003738 | | |
| WBS219 G01 | | 1645 | X | | | 1 | X | | | | | | | | 6-003739 | | |
| WBS219 G02 | | 1650 | X | | ↓ | 1 | X | | | | | | | | 6-003740 | | |
| WBS219 G03 | ↓ | 1655 | X | | ↓ | 1 | X | | | | | | | | 6-003741 | | |
| Relinquished by (Signature) Laurence Roedl | | Date / Time 7-2-97 1800 | | Received by (Signature) [Signature] 7/3/97 945 | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | | | | | |
| Shipped by FED - EX | | | | Airbill Number 3903750480 | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files

Green to Report Yellow Returns with Warrant

OFFICIAL CHAIN OF CUSTODY RECORD

20/2

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | NO OF CON TAINERS | | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PCM (Asbestos)</div> <div style="float: right; text-align: right;">REMARKS</div> | | | | | | | | | | |
|---|---------|-----------------------------------|------|----------------------------|------------------|--|---|--|--|--|--|--|--|--|--|----------|
| SAMPLERS (Signature) <i>Laurence Roehl</i> | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | EPA TAG # | | | | | | | | | | |
| WB5219 604 | 7-02-97 | 1700 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003742 |
| WB51046 601 | ↓ | 11500 | X | | | 1 | X | | | | | | | | | 6-008697 |
| WB51046 602 | ↓ | | X | | | 1 | X | | | | | | | | | 6-008698 |
| WB51046 603 | ↓ | | X | | | 1 | X | | | | | | | | | 6-008699 |
| <i>Laurence Roehl</i> | | | | | | | | | | | | | | | | |

| | | |
|--|-----------------------------|--|
| Relinquished by (Signature) <i>Laurence Roehl</i> | Date / Time 7-2-97 18:00 | Received by (Signature) <i>[Signature]</i> 7/3/97 09:45 |
| Relinquished by (Signature) | Date / Time | Received by (Signature) |

| | | |
|-----------------------------|-------------|-------------------------|
| Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received by (Signature) |

| | | |
|-----------------------------|------------------------------|--|
| Relinquished by (Signature) | Date / Time | Received for Laboratory by (Signature) |
| Shipped by FED-EX | Airbill Number 3903750480 | |

| | |
|-------------|---------|
| Date / Time | Remarks |
|-------------|---------|

Distribution White Accompanies Shipment Pink to Coordinator Field Files

Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 10 1997

Ref Number IN97441

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS952G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS952G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 60% Quartz 40% Other |
| WBS212G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS212G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 60% Quartz 40% Other |
| WBS561G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile | | | 60% Quartz 38% Other |
| WBS561G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

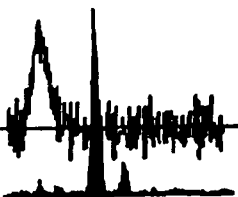
Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 10 1997

Ref Number IN97441

POLARIZED LIGHT MICROSCOPY (PLM)

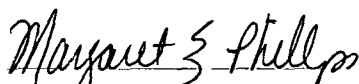
Performed by EPA 600/R-93/116 Method*

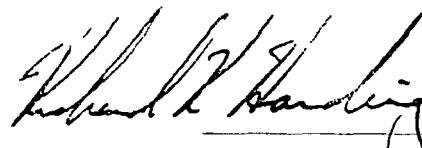
Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS561G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 60% Quartz 40% Other |
| WBS561G04 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS789G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |
| WBS789G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS789G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS218G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 10 1997

Ref Number IN97441

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS218G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS870G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS870G02 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS508G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS508G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/9/97
Date/Time Due 7/10/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97441

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|--|--|---------------------------------------|---|---|---|--|---|---|----------|-------------|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | <div>1 Wavy 2 Straight 3 Spicry</div> <div>1 Yes 2 No</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | |
| WBS952601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 |
| ✓ 602 | | 1 | | 1 - <1 | | | 1 | 60 | | 154 155 |
| | | 2 | 2 | | | | 7 | 40 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 B 1 E |
| WBS212601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 |
| ↓ 602 | | 1 | | 1 - <1 | | | 1 | 60 | | 154 155 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 40 | | 1 M 1 S 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 |
| WBS561601 | | 1 | | 1 - 2% | | | 1 | 60 | | 154 155 |
| | | 2 | 2 | | | | 7 | 38 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 B 1 E |
| 602 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 B 1 E |
| ↓ 603 | | 1 | | 1 - <1 | | | 1 | 60 | | 154 155 |
| | | 2 | 2 | | | | 7 | 40 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 B 1 E |
| ↓ 604 | | 1 | | ND | | | 1 | 80 | | 1 |
| | | 2 | 2 | | | | 7 | 20 | | VI S |
| | | 1 | | | | | | | | P B E |

Analyst

Date

7/10/97

Computer

Date

PLM Analysis Worksheet

| | |
|---------|---|
| Client | Ecology & Environmental |
| Address | 11550 New Castle Avenue Baton Rouge LA 70816 |

Logged 7/9/97

TAT 1 Day

Date/Time Due 7/10/97 9 00 AM

Special Handling

Billing Number

IN97441

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | Non-Fibrous | # | Optical Properties | | |
|-------------|----------|------------|-----------|------------|------------------|---|---------|-------------|--------|--------------------------------------|------------------------|--|
| Sample | Location | Appearance | Treatment | % ASBESTOS | Type | % | Type | % | Layers | 1. Wavy 2. Straight 3. Spindly | 4. Y 5. No 6. No | 7. E 8. Parallel 9. Symmetric 10. Oblique |
| WBS 789 601 | | 1 | | 1 - <1 | | | 1 | 80 | 154 | 155 | 171 | |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | 1 | M | S | 2 |
| | | 1 | | | | | | | 2 | B | E | 1 |
| | | | | | | | | | | I | II | |
| | | | | | | | | | | M | S | |
| | | | | | | | | | | P | B | E |
| | | | | | | | | | | I | II | |
| | | | | | | | | | | M | S | |
| | | | | | | | | | | P | B | E |
| | | | | | | | | | | I | II | |
| | | | | | | | | | | M | S | |
| | | | | | | | | | | P | B | E |
| | | | | | | | | | | I | II | |
| | | | | | | | | | | M | S | |
| | | | | | | | | | | P | B | E |
| | | | | | | | | | | I | II | |
| | | | | | | | | | | M | S | |
| | | | | | | | | | | P | B | E |
| | | | | | | | | | | I | II | |
| | | | | | | | | | | M | S | |
| | | | | | | | | | | P | B | E |

Analyst

Date _____

7/10/97

Computer

Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/9/97
Date/Time Due 7/10/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN97441

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | | | | | | | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|---|--|--|--|--------|-----|------------|---|-----------|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <table border="1"> <tr> <td>1 Wavy</td> <td>1 S</td> </tr> <tr> <td>2 Straight</td> <td>2</td> </tr> <tr> <td>3 Specify</td> <td></td> </tr> </table> | | | | 1 Wavy | 1 S | 2 Straight | 2 | 3 Specify | |
| 1 Wavy | 1 S | | | | | | | | | | | | | | | | |
| 2 Straight | 2 | | | | | | | | | | | | | | | | |
| 3 Specify | | | | | | | | | | | | | | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | | | | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non-Fibrous Type | Non-Fibrous % | # Layers | P | B | E | | | | |
|-----------|----------|------------|-----------|------------|--------------|-----------|------------------|---------------|----------|----------------|----------------|----------------|-----|----|--|--|
| | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | | | | | |
| | | 2 | | | | | 7 | 20 | | 1 ^M | 1 ^S | | | | | |
| WBS789G02 | | 1 | 2 | | | | | | | 2 | 1 ^B | 1 ^E | | | | |
| | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S | | | | | |
| WBS789G03 | | 1 | | | | | | | | 2 | 1 ^B | 1 ^E | | | | |
| | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | | 171 | 17 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | | 2 | 2 | | |
| WBS218G01 | | 1 | | | | | | | | 2 | 1 ^B | 1 ^E | 11 | 11 | | |
| | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | | 171 | 17 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | | 2 | 2 | | |
| WBS218G02 | | 1 | | | | | | | | 2 | 1 ^B | 1 ^E | 11 | 11 | | |
| | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S | | | | | |
| WBS870G01 | | 1 | | | | | | | | 2 | 1 ^B | 1 ^E | | | | |
| | | 1 | | NO | | | 1 | 80 | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | | 1 ^M | 1 ^S | | | | |
| WBS870G02 | | 1 | | | | | | | | P | B | E | | | | |
| | | 1 | | 1- <1% | | | 1 | 80 | | 154 | 155 | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S | | | | | |
| WBS508G01 | | 1 | | | | | | | | 2 | 1 ^B | 1 ^E | | | | |
| | | 1 | | 1-2% | | | 1 | 80 | | 154 | 155 | | 171 | 17 | | |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | | 2 | 2 | | |
| WBS508G02 | | 1 | | | | | | 18 | | 2 | 1 ^B | 1 ^E | 11 | 11 | | |

Analyst Margaret Phillips Date 7/10/97 Computer _____ Date _____

**OFFICIAL
CHAIN OF CUSTODY RECORD**

1 of 2

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | | NO OF CON TAINERS | PLM (Asbestos) PCM (AIR) | | | | | REMARKS |
|---|----------|-----------------------------------|------|------|----------------------------|-----------------------------|---|--|--|--|-----------------------|
| SAMPLERS (Signature) <i>Alma R. Lawrence Russell</i> | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | EPA Tag # |
| WBA561 LF1 | 07-07-97 | 0916- | X | | (b) (6) | 1 | X | | | | 6-003748 V= 247650 |
| WBA561 LF2 | | 0918- | X | | | 1 | X | | | | 6-003749 V= 247607 |
| WBA561 LF3 | | 0919- | X | | | 1 | X | | | | 6-003750 V= AR 7/7/97 |
| WBS952 G01 | 07-07-97 | 1430 | X | | (b) (6) | 1 | X | | | | 6-003744 |
| WBS952 G02 | 07-07-97 | 1432 | X | | | 1 | X | | | | 6-003745 |
| WBS212 G01 | 7/7/97 | 1530 | X | | | 1 | X | | | | 6-003746 |
| WBS212 G02 | 7/7/97 | 1533 | X | | | 1 | X | | | | 6-003747 |
| WBS809 G01 | | | X | | | 1 | X | | | | 6-003742 AR 7/7/97 |
| WBA81 | 7-7-97 | N/A | X | | | 1 | X | | | | 6-003751 |
| WBS561 G01 | 7-8-97 | 0756 | X | | | 1 | X | | | | 6-003752 |
| WBS561 G02 | | 0800 | X | | | 1 | X | | | | 6-003753 |
| WBS561 G03 | | 0810 | X | | | 1 | X | | | | 6-003754 |
| WBS561 G04 | | 0815 | X | | | 1 | X | | | | 6-003755 |
| WBS789 G01 | | 0910 | X | | (b) (6) | 1 | X | | | | 6-003756 |
| WBS789 G02 | | 0917 | X | | | 1 | X | | | | 6-003757 |

| | | | | | | |
|--|-----------------------------|--|----------------------------|-----------------------------|-------------|-------------------------|
| Relinquished by (Signature) <i>Lawrence Russell</i> | Date / Time 7/8/97 17:08 | Received by (Signature) <i>Alma</i> | Date / Time 7/9/97 9:00 | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received by (Signature) | Date / Time | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received for Laboratory by (Signature) | Date / Time | Remarks | | |
| Shipped by FED-EX | | Airbill Number 3903750395 | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

**OFFICIAL
CHAIN OF CUSTODY RECORD**

2 of 2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|-----------------------------------|------------------------------|------|---|----------------------------|--|-----------------------------|--|---------|-------------|--|-------------------------|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PLM (Asbest.)</div> <div style="float: right; text-align: center;">REMARKS</div> | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLERS (Signature) Alma Ruller Lawrence Ruller | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WB3789 G03 | 07-08-97 | 0923 | X | | (b) (6) | 1 | X | | | | | | | | EPA Tag # 6-003758 | | | | | | | | | | | | | | | | |
| WB3218 G01 | 07/08/97 | 1328 | X | | (b) (6) | 1 | X | | | | | | | | 6-003759 | | | | | | | | | | | | | | | | |
| WB3218 G02 | 07/08/97 | 1340 | X | | (b) (6) | 1 | X | | | | | | | | 6-003760 | | | | | | | | | | | | | | | | |
| WB3870 G01 | 7/8/97 | 1500 | X | | (b) (6) | 1 | X | | | | | | | | 6-003761 | | | | | | | | | | | | | | | | |
| WB3870 G02 | ↓ | 1505 | X | | (b) (6) | 1 | X | | | | | | | | 6-003762 | | | | | | | | | | | | | | | | |
| WB3508 G01 | ↓ | 1555 | X | | (b) (6) | 1 | X | | | | | | | | 6-003763 | | | | | | | | | | | | | | | | |
| WB3508 G02 | ↓ | 1600 | X | | (b) (6) | 1 | X | | | | | | | | 6-003764 | | | | | | | | | | | | | | | | |
| <div style="font-family: cursive; font-size: 2em; transform: rotate(-15deg); display: inline-block;"> Lawrence Ruller 7/8/97 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) Lawrence Ruller | | | Date / Time 7/8/97 17:08 | | Received by (Signature) John 7/9/97 9:00 | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received for Laboratory by (Signature) | | | Date / Time | | Remarks | | | | | | | | | | | | | | | | | | | | | |
| Shipped by FED-EX | | | Airbill Number 3703750395 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant



Attn Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Friday July 11 1997

Ref Number IN97455

POLARIZED LIGHT MICROSCOPY (PLM)

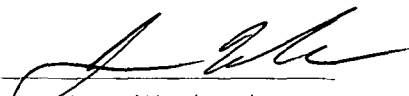
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ANALYSIS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS1029G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS1029G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS259G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS259G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS259G03 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS218G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Friday July 11 1997

Ref Number IN97455

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ANALYSIS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|------------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS809G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS704G01 | | Brown Non Fibrous Homogeneous | Crushed | 3% < 1% | Chrysotile Crocidolite | | 80% Quartz 17% Other |
| WBS260G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS260G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method



Jane Wasilewski
Analyst



Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/10/97
Date/Time Due 7/11/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97455

Project 020601 RAG1 WESTBANK ANALYSIS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|-------------|-----------|---------------|-----------------|-------------------|------------------|----------------|------------------|-----------------------------------|------------|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 Wavy 2 Straight 3 Specify | 1 M 2 S | 1 Parallel 2 Symmetric 3 Oblique |
| 2 Grey | 7 Black | 2 Non Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | |
| WBS 1029601 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| 602 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- < 1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| WBS 259601 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- < 1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| 602 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| 603 | | 1 | | ND | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| WBS 218603 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- < 1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| WBS 809601 | | 1 | | 1- < 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |
| WBS 704601 | | 1 | | 1-3 ⁷⁰ | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- < 1 | | | 7 | 17 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 B 1 E 1 1 |

Analyst

Date

7/11/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/10/97
Date/Time Due 7/11/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN97455

Project 020601 RAG1 WESTBANK ANALYSIS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|---|----------|--------------------|-------------------------------|---|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 W 2 S 3 Specify </div> <div> 1 S 2 </div> </div> | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | P 1 Yes 2 No | B 1 Low 2 Med 3 High | E 1 Parallel 2 Symmetric 3 Oblique |
| WBS 260601 | | 1 2 1 | 2 | ND | | | 1 7 | 80 20 | | | | I M P |
| WBS 260602 | | 1 2 1 | 2 | 1- < 1 | | | 1 7 | 80 20 | | | | 154 155 M P |
| | | | | | | | | | | | | I |
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| | | | | | | | | | | | | P |

Analyst [Signature] Date 7/11/97 Computer _____ Date _____

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | REMARKS | | | | | | | | | | |
|---|----------|-----------------------------------|------|--|------------------|-----------------------------|-----------|-------------|--|-------------------------|--|-----------------------------|--|-------------|--|-------------------------|--|
| SAMPLERS (Signature) <i>Sho Alma Rellera</i> | | | | | | | EPA Tag # | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | |
| WBS1029 G01 | 07/09/97 | 0830 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003765 | |
| WBS1029 G02 | ↓ | 0830 | X | | ↓ | 1 | X | | | | | | | | | 6-003766 | |
| WBS259 G01 | 07/09/97 | 0910 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003767 | |
| WBS259 G02 | 07/09/97 | 0914 | X | | ↓ | 1 | X | | | | | | | | | 6-003768 | |
| WBS259 G03 | 07/09/97 | 0915 | X | | ↓ | 1 | X | | | | | | | | | 6-003769 | |
| WBS218 G03 | 7-9-97 | 10:00 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003775 | |
| WBS809 G01 | 7-9-97 | 1045 | X | | | 1 | X | | | | | | | | | 6-003742 | |
| WBS704 G01 | 7/9/97 | 11:45 | X | | | 1 | X | | | | | | | | | 6-003770 | |
| WBS260 G01 | ↓ | 1355 | X | | | 1 | X | | | | | | | | | 6-003771 | |
| WBS260 G02 | ↓ | 1358 | X | | ↓ | 1 | X | | | | | | | | | 6-003772 | |
| <i>Laurence Reed</i> | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) <i>Laurence Reed</i> | | Date / Time 7-9-97 16:41 | | Received by (Signature) <i>Robert R. Reed</i> 7/11/97 | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | | | | | |
| Shipped by FED-EX | | | | Airbill Number 3903750406 | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 14 1997

Ref Number IN97461

POLARIZED LIGHT MICROSCOPY (PLM)

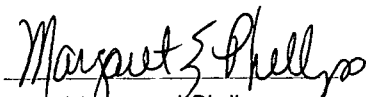
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS950G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS393G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS258G01 | | Brown Non-Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS258G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS716G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS716G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method


Margaret Phillips
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

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Monday July 14 1997

Ref Number IN97461

POLARIZED LIGHT MICROSCOPY (PLM)

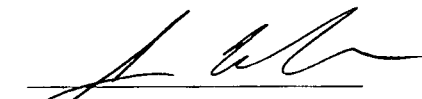
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS716G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS697G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS697G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS697G03 | | Brown Non Fibrous Homogeneous | Crushed | 3% Chrysotile 1% Crocidolite | | | 80% Quartz 16% Other |
| WBS1028G01 | | Brown Non-Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS558G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

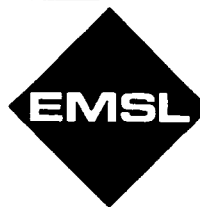

Jane Wasilewski
Analyst


Approved
Signatory

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11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 14 1997

Ref Number IN97461

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS559G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS559G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/11/97
Date/Time Due 7/14/97 9 15 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97461

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | | | | |
|--|--|---------------------------------------|---|---|---|--|--|--|----------|------------------|-------------------------------|---|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 16 Perlite 7 Other | Optical Properties 1 W vy 2 Struggle 3 Specify 1 Ym 2 N 1 Low 2 Med 3 High 1 Parallel 2 Symmetric 3 Chlargo | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | P 1 Ym 2 N | B 1 Low 2 Med 3 High | E 1 Parallel 2 Symmetric 3 Chlargo |
| WBS950G01 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS343G01 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS258G01 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS258G02 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS716G01 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS716G02 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS716G03 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 | 1.55 | 1.71 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Analyst Margaret J. Pichler Date 7/14/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/11/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/14/97 9 15 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97461

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|-----------------|------------------------------------|----------|---------------------------------|
| 1 Brown | 6 Varous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 W 1/2 2 Strength 3 Specify | 1 S 2 | 1 E 2 Symmetric 3 Oblique |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | Optical Properties |
|------------|----------|------------|-----------|------------|--------------|-----------|------------------|---------------|----------|--------------------|
| WBS697601 | | 1 | | 1- <1 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | | | | 7 | 20 | 1 M | S |
| | | 1 | | | | | | | P 2 | B 1 E |
| 602 | | 1 | | 1- <1 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | | | | 7 | 20 | 1 M | S |
| | | 1 | | | | | | | P 2 | B 1 E |
| 603 | | 1 | | 1- 3 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | 6- 1 | | | 7 | 16 | 1 M | S 2 2 |
| | | 1 | | | | | | | P 2 | B 1 E 1 1 1 |
| WBS1028601 | | 1 | | 1- <1 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | | | | 7 | 20 | 1 M | S |
| | | 1 | | | | | | | P 2 | B 1 E |
| WBS558601 | | 1 | | 1- <1 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | 6- <1 | | | 7 | 20 | 1 M | S 2 2 |
| | | 1 | | | | | | | P 2 | B 1 E 1 1 1 |
| WBS559601 | | 1 | | 1- <1 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | | | | 7 | 20 | 1 M | S |
| | | 1 | | | | | | | P 2 | B 1 E |
| 602 | | 1 | | 1- <1 | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | | | | 7 | 20 | 1 M | S |
| | | 1 | | | | | | | P 2 | B 1 E |
| | | | | | | | | | 1 | S |
| | | | | | | | | | M | S |
| | | | | | | | | | P | B E |

Analyst

Date

Computer

Date

**OFFICIAL
CHAIN OF CUSTODY RECORD**

| | | | | | | | | | | | | | | | | | | |
|--|-------|-----------------------------------|------------------------------|------|--|--|----------------------------|-----------------------------|---|---------|-------------|--|-------------------------|--|--|--|--|--|
| PROJ NO 020601 RAG | | PROJECT NAME Westbank Asbestos | | | | | NO OF CON TAINERS | | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">RM (Asbestos)</div> | | | | | | | | | |
| SAMPLERS (Signature) <i>Laurence Reed / Charles Smith / Alma Rullera</i> | | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | | |
| WBS 950601 | 02-10 | 0845 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003774 | |
| WBS 393 | | 0935 | X | | | | 1 | X | | | | | | | | | 6-003773 | |
| WBS 258 | | 0950 | X | | | | 1 | X | | | | | | | | | 6-003776 | |
| WBS 258 | | 1000 | X | | | | 1 | X | | | | | | | | | 6-003777 | |
| WBS 716 | | 1025 | X | | | | 1 | X | | | | | | | | | 6-003778 | |
| WBS 716 | | 1025 | X | | | | 1 | X | | | | | | | | | 6-003779 | |
| WBS 716 | | 1040 | X | | | | 1 | X | | | | | | | | | 6-003780 | |
| WBS 697 | | 1150 | X | | | | 1 | X | | | | | | | | | 6-003781 | |
| WBS 697 | | 1200 | X | | | | 1 | X | | | | | | | | | 6-003782 | |
| WBS 697 | | 1210 | X | | | | 1 | X | | | | | | | | | 6-003783 | |
| WBS 697 | | 1220 | X | | | | 1 | X | | | | | | | | | 6-003784 ^{1st} ⁶⁰¹ ^{7/1/97} | |
| WBS 1028 | | 1435 | X | | | | (b) (6) | | 1 | X | | | | | | | 6-003785 | |
| WBS 558 | | 1515 | X | | | | | | 1 | X | | | | | | | 6-003788 | |
| WBS 559 | | 1523 | X | | | | | | 1 | X | | | | | | | 6-003786 | |
| WBS 554 | | 1526 | X | | | | | | 1 | X | | | | | | | 6-003787 | |
| Relinquished by (Signature) <i>Laurence Reed</i> | | | Date / Time 7-10-97 16:47 | | Received by (Signature) <i>[Signature]</i> 7/11/97 9:15 AM | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received for Laboratory by (Signature) | | | Date / Time | | Remarks | | | | | | | | |
| Shipped by <i>FED Express</i> | | | | | Airbill Number <i>3903750421</i> | | | | | | | | | | | | | |
| Distribution White Accompanies Shipment Pink to Coordinator Field Files Green to Report Yellow Returns with Warrant | | | | | | | | | | | | | | | | | | |

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday July 15 1997

Ref Number IN97471

POLARIZED LIGHT MICROSCOPY (PLM)

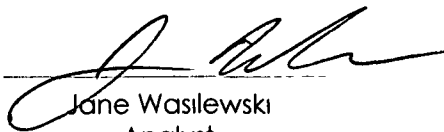
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS |
| WBS1014G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1014G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1014G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1027G01 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS1052G01 | | Brown Non Fibrous Homogeneous | Crushed | 1% Chrysotile 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS1052G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday July 15 1997

Ref Number IN97471

POLARIZED LIGHT MICROSCOPY (PLM)

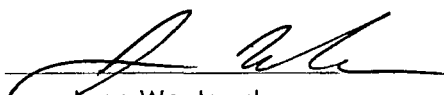
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|--------------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS1052G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS560G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS235G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS235G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS235G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS927G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% 1% | Chrysotile Crocidolite | | 80% Quartz 17% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


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Analyst


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Tuesday July 15 1997

Ref Number IN97471

POLARIZED LIGHT MICROSCOPY (PLM)

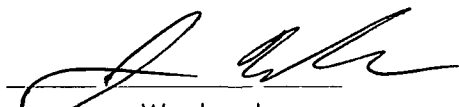
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------------------|--------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS927G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other | |
| WBS927G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS927G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198-1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/14/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/15/97 9 30 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97471

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|-------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|--|----------|----------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 W. v. M. 2. Straight 3. Specify </div> <div> 1 S. 2. </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 1 Yes 2. No 3. High </div> <div> 1 Parallel 2. Symmetric 3. Oblique </div> </div> | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS 1014601 | | 1 | | 1- <1 | | | 1 | 80 | | 154 155 171 |
| | | 2 | 2 | 6- <1 | | | 7 | 20 | | 1 M 1 S 2 |
| | | 1 | | | | | | | | 2 P 1 E 1 1 |
| | 602 | 1 | | 1- <1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- <1 | | | 7 | 20 | | 1 M 1 S 2 |
| | | 1 | | | | | | | | 2 P 1 E 1 1 |
| | 603 | 1 | | 1- <1 | | | 1 | 80 | | 154 155 171 |
| | | 2 | 2 | 6- <1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 P 1 E 1 1 |
| WBS1027601 | | 1 | | ND | | | 1 | 80 | | 1 11 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 P 1 E |
| WBS1052601 | | 1 | | 1- 1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- 1 | | | 7 | 18 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 P 1 E 1 1 |
| | 602 | 1 | | 1- <1 | | | 1 | 80 | | 154 155 171 17 |
| | | 2 | 2 | 6- <1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 P 1 E 1 1 |
| | 603 | 1 | | 1- <1 | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 P 1 E |
| WBS 5560601 | | 1 | | 1- <1 | | | 1 | 80 | | 154 155 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 P 1 E |

Analyst

Date

7/15/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/14/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/15/97 9 30 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97471

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | Treatment | Asbestos Results | Fibrous | Non Fibrous |
|------------|-----------|---------------|-------------|------------------|----------------|-----------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica |
| 3 Tan | 8 Silver | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum |
| 4 White | 9 Blue | | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate |
| 5 Red | 0 Orange | | | 5 Actinolite | 5 Other | 5 Matrix |
| | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite |
| | | | | 0 None Detected | 7 Hair | 7 Other |

| Optical Properties | |
|--------------------|-------------|
| 1 W. M. | 1 S |
| 2 Straight | 2 |
| 3 Specify | |
| 1 Low | 1 Parallel |
| 2 Med | 2 Symmetric |
| 3 High | 3 Oblique |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous | | Non Fibrous | | # Layers | P B E | | |
|-----------|----------|------------|-----------|------------|---------|-----|-------------|-----|----------|-------|-------|--------|
| | | | | | Type | % | Type | % | | 1 Low | 2 Med | 3 High |
| WBS235601 | | 1 | 2 | 1- <1 | | | 1 | 80 | 154 | 155 | | |
| | | 2 | | | | 7 | 20 | 1 M | 1 S | | | |
| | | 1 | | | | 2 B | 1 E | | | | | |
| 602 | | 1 | 2 | 1- <1 | | | 1 | 80 | 154 | 155 | 171 | |
| | | 2 | | | | 7 | 20 | 1 M | 1 S | 2 = | | |
| | | 1 | | | | 2 B | 1 E | 1 1 | | | | |
| 603 | | 1 | 2 | 1- <1 | | | 1 | 80 | 154 | 155 | 171 | |
| | | 2 | | | | 7 | 20 | 1 M | 1 S | 2 = | | |
| | | 1 | | | | 2 B | 1 E | 1 1 | | | | |
| WBS927601 | | 1 | 2 | 1- 2 | | | 1 | 80 | 154 | 155 | 17 | |
| | | 2 | | | | 7 | 17 | 1 M | 1 S | 2 = | | |
| | | 1 | | | | 2 B | 1 E | 1 1 | | | | |
| 602 | | 1 | 2 | 1- 2 | | | 1 | 80 | 154 | 155 | 171 | |
| | | 2 | | | | 7 | 18 | 1 M | 1 S | 2 = | | |
| | | 1 | | | | 2 B | 1 E | 1 1 | | | | |
| 603 | | 1 | 2 | 1- <1 | | | 1 | 80 | 154 | 155 | 171 | |
| | | 2 | | | | 7 | 20 | 1 M | 1 S | 2 = | | |
| | | 1 | | | | 2 B | 1 E | 1 1 | | | | |
| WBS927604 | | 1 | 2 | 1- <1 | | | 1 | 80 | 154 | 155 | | |
| | | 2 | | | | 7 | 20 | 1 M | 1 S | | | |
| | | 1 | | | | 2 B | 1 E | | | | | |
| | | | | | | | | | 1 | 1 | | |
| | | | | | | | | | M | S | | |
| | | | | | | | | | P | B | E | |

Analyst

Date

7/15/97

Computer

Date

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

| PROJ NO 020601 RAGI | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | PLM (Asbestos) | | | | | | REMARKS EPA Tag # |
|--|-------------|-----------------------------------|------|--|------------------|-----------------------------|----------------|-------------|--|-------------------------|--|----------|--------------------------|
| SAMPLERS (Signature) Alma Rillera / Cheryl Sumner / Gregory [Signature] | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | |
| WBS1014 G01 | 07-11 97 | 0915 | X | | (b) (6) | 1 | X | | | | | 6-003791 | |
| WBS1014 G02 | | 0915 | X | | | 1 | X | | | | | 6-003789 | |
| WBS1014 G03 | | 0915 | X | | | 1 | X | | | | | 6-003790 | |
| WBS1017 G01 | | 0915 | X | | | 1 | X | | | | | 6-003792 | |
| WBS1052 G01 | | 0950 | X | | | 1 | X | | | | | 6-003793 | |
| WBS1052 G02 | | 0950 | X | | | 1 | X | | | | | 6-003794 | |
| WBS1052 G03 | | 0950 | X | | | 1 | X | | | | | 6-003795 | |
| WBS560 G01 | | 1048 | X | | | 1 | X | | | | | 6-003796 | |
| WBS235 G01 | | 1426 | X | | | 1 | X | | | | | 6-003797 | |
| WBS235 G02 | | 1430 | X | | | 1 | X | | | | | 6-003798 | |
| WBS235 G03 | | 1432 | X | | | 1 | X | | | | | 6-003799 | |
| WBS927 G01 | | 1519 | X | | (b) (6) | 1 | X | | | | | 6-003800 | |
| WBS927 G02 | | 1517 | X | | | 1 | X | | | | | 6-003801 | |
| WBS927 G03 | | 1520 | X | | | 1 | X | | | | | 6-003802 | |
| WBS927 G04 | | 1521 | X | | | 1 | X | | | | | 6-003803 | |
| Relinquished by (Signature) Alma Rillera | | Date / Time 07-11-97 1653 | | Received by (Signature) [Signature] 7/14/97 9:30 AM | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | |
| Shipped by FED-EX | | | | Airbill Number 3903750410 | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 16 1997

Ref Number IN97490

POLARIZED LIGHT MICROSCOPY (PLM)

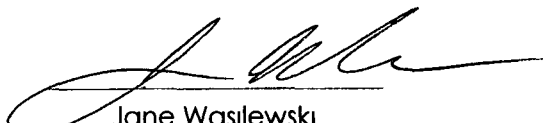
Performed by EPA 600/R-93/116 Method*

Project 026010 RAGI -WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|---------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS |
| WBS403G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS403G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS714G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile 1% Crocidolite | | | 80% Quartz 17% Other |
| WBS763G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS1043G01 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS1043G02 | | Brown Non Fibrous Homogeneous | Crushed | 3% Chrysotile | | | 80% Quartz 17% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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Wednesday July 16 1997

Ref Number IN97490

POLARIZED LIGHT MICROSCOPY (PLM)

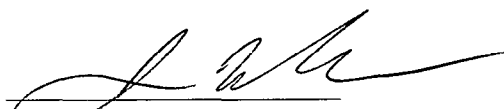
Performed by EPA 600/R-93/116 Method*

Project 026010 RAGI -WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS404G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS404G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS404G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS718G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |
| WBS718G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS718G03 | | Brown Non-Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

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Jane Wasilewski
Analyst


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Wednesday July 16 1997

Ref Number IN97490

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 026010 RAGI -WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------------------|----------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS236G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other | |
| WBS1044G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |
| WBS872G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |
| WBS232G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS224G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |
| WBS224G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198-1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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EMSL

Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 16 1997

Ref Number IN97490

POLARIZED LIGHT MICROSCOPY (PLM)

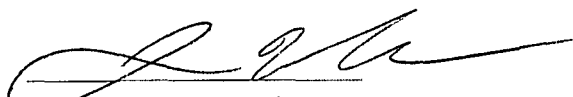
Performed by EPA 600/R-93/116 Method*

Project 026010 RAGI -WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS224G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/15/97
Date/Time Due 7/16/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97490

Project 026010 RAGI -WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | | | |
|--|--|---------------------------------------|---|---|---|--|---|--|----------|------------|--------|--------|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | <div> <div>1 Wavy 2 Straight 3 Spindle</div> <div>1 M 2 S</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div> | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non-Fibrous Type | Non-Fibrous % | # Layers | | | |
| WBS403601 | | 1 2 | 2 | 1- <1 | | | 1 7 | 80 20 | | 154 155 | 1 1 | 1 S |
| G02 | | 1 2 | 2 | 1- <1 | | | 1 7 | 80 20 | | 154 155 | 1 1 | 1 S |
| WBS714601 | | 1 2 | 2 | 1-2 6-1 | | | 1 7 | 80 17 | | 154 155 | 1 1 | 1 S |
| WBS763601 | | 1 2 | 2 | 1- <1 | | | 1 7 | 80 20 | | 154 155 | 1 1 | 1 S |
| WBS1043601 | | 1 2 | 2 | ND | | | 1 7 | 80 20 | | 154 155 | 1 1 | 1 S |
| G02 | | 1 2 | 2 | 1-3 | | | 1 7 | 80 17 | | 154 155 | 1 1 | 1 S |
| WBS404601 | | 1 2 | 2 | 1- <1 | | | 1 7 | 80 20 | | 154 155 | 1 1 | 1 S |
| G02 | | 1 2 | 2 | 1- <1 | | | 1 7 | 80 20 | | 154 155 | 1 1 | 1 S |

Analyst [Signature] Date 7/16/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/15/97
Date/Time Due 7/16/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97490

Project 026010 RAGI -WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | # Layers | Optical Properties | | |
|--|--|---------------------------------------|---|---|---|--|---|------------|--------------------------|--------------------------|--|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | | 1 W 2 No 3 Specify | 1 Low 2 Med 3 High | 1 Parallel 2 Symmetric 3 Oblique |
| WBS 404603 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |
| WBS 718601 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |
| 602 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |
| 603 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |
| WBS 236601 | | 1 2 1 | 2 | 1-2 ⁹⁰ 6- 1 | | 1 7 | 80 18 | 154 155 | 1 M | 1 S | 1 E |
| WBS 1044601 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |
| WBS 872601 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |
| WBS 232601 | | 1 2 1 | 2 | 1- 6- 1 | | 1 7 | 80 20 | 154 155 | 1 M | 1 S | 1 E |

Analyst

Date

7/16/97

Computer

Date

PLM Analysis Worksheet

| | |
|----------------|---|
| Client | Ecology & Environmental |
| Address | 11550 New Castle Avenue Baton Rouge LA 70816 |

Logged 7/15/97
Date/Time Due 7/16/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97490

Project 026010 RAGI -WESTBANK ASBESTOS

[illegible]**Analyst**

Date _____

7/16/97

Computer

Date _____

CHAIN OF CUSTODY RECORD

Page 1 of 2

| PROJ NO 020601 RAGI | | PROJECT NAME Westbank Asbestos | | | NO OF PERSON TRAINERS | | REMARKS | | | | | | | | | | |
|---|-------------|-----------------------------------|------|---|---|-----------------------------|---------|-------------|--|-------------------------|--|-----------------------------|--|-------------|--|-------------------------|--|
| SAMPLERS (Signature) <i>Alma Lillera</i> | | | | | STATION LOCATION <i>Gregory Road</i> | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | | | | | | | | | | | | | |
| WBS403 G01 | 07-12 97 | 0905 | X | | (b) (6) | 1 | X | | | | | | | | | EPA Tag # 6-032658 | |
| WBS403 G02 | | 0855 | X | | ↓ | 1 | X | | | | | | | | | 6-032659 | |
| WBS714 G01 | | 1110 | X | | (b) (6) | 1 | X | | | | | | | | | 6-032660 | |
| WBS713 G01 | | 1140 | X | | ↓ | 1 | X | | | | | | | | | 6-032661 | |
| WBS713 G01 | | 1446 | X | | ↓ | 1 | X | | | | | | | | | 6-032662 | |
| WBS713 G02 | | 1442 | X | | (b) (6) | 1 | X | | | | | | | | | 6-032663 | |
| WBS713 G01 | | 1515 | X | | ↓ | 1 | X | | | | | | | | | 6-032664 | |
| WBS713 G02 | | 1515 | X | | ↓ | 1 | X | | | | | | | | | 6-032665 | |
| WBS713 G03 | | 1517 | X | | ↓ | 1 | X | | | | | | | | | 6-032666 | |
| WBS713 G01 | 7-14- 97 | 0950 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003601 | |
| WBS713 G02 | | 1000 | X | | ↓ | 1 | X | | | | | | | | | 6-003602 | |
| WBS713 G03 | | 1005 | X | | ↓ | 1 | X | | | | | | | | | 6-003603 | |
| WBS713 G01 | | 1050 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003604 | |
| WBS713 G01 | | 1135 | X | | ↓ | 1 | X | | | | | | | | | 6-002550 | |
| WBS713 G01 | | 1345 | X | | ↓ | 1 | X | | | | | | | | | 6-003605 | |
| Relinquished by (Signature) <i>[Signature]</i> | | Date / Time 7-14-97 1730 | | Received by (Signature) <i>[Signature]</i> | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | | | | | |
| Shipped by Fed EX | | Airbill Number 3903750443 | | | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

Fed E 3903750443

page 1 of 2

6-08870

EPA 7500-53
(11/96)

EMSL Analytical, Inc.

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Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Barbara Storey
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 17 1997

Ref Number IN97513

POLARIZED LIGHT MICROSCOPY (PLM)

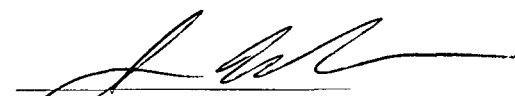
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS SITE 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS869G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS225G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% | Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other |
| WBS562G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS562G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS532G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS532G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

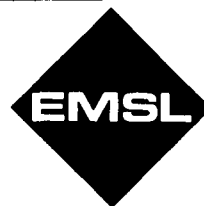

Jane Wasilewski
Analyst


Approved
Signatory

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Baton Rouge LA 70816

Thursday July 17 1997

Ref Number IN97513

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS SITE 020601RAG1

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS532G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS630G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
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PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/16/97
Date/Time Due 7/17/97 9 58 AM

TAT 1 Day

Fax (504) 363 - 4939

Special Handling

Billing Number
IN97513

Project WESTBANK ASBESTOS SITE 020601RAG1

| Appearance | | | | Treatment | Asbestos Results | Fibrous | | Non-Fibrous | | Optical Properties | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|---------------|-----------------|--------------------|------------------|----------------|------------------|---|----------|--------------------|------------|-----------|-------------|--------|---------|---------------|-----------------|-----------|-----------|---------|--------|------------|-------|-------------|-------|----------|---------|---------|-------------|-----------------|-------------|----------|--------|-----------|---------|--------|--|--------------|---------|-------------|-------------|-----------------|--|--|--|-------|----------|--|--|--|--------------|---------|----------|--|--|--|--|--|--|--|--|---------------|----------------|-----------|--|--|--|--|--|--|--|--|-----------------|--------|---------|--|--|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <table><tr><td>1 Wavy</td><td>1 Low</td><td>1 Parallel</td></tr><tr><td>2 Grey</td><td>7 Black</td><td>2 Non-Fibrous</td><td>2 Heterogeneous</td><td>2 Crushed</td><td>2 Amosite</td><td>2 Glass</td><td>2 Mica</td><td>2 Straight</td><td>2 Med</td><td>2 Symmetric</td></tr><tr><td>3 Tan</td><td>8 Silver</td><td>3 Other</td><td>3 Other</td><td>3 Dissolved</td><td>3 Anthophyllite</td><td>3 Min. Wool</td><td>3 Gypsum</td><td>3 High</td><td>3 Oblique</td></tr><tr><td>4 White</td><td>9 Blue</td><td></td><td>4 Layers (#)</td><td>4 Ashed</td><td>4 Tremolite</td><td>4 Synthetic</td><td>4 Cal Carbonate</td><td></td><td></td><td></td></tr><tr><td>5 Red</td><td>0 Orange</td><td></td><td></td><td></td><td>5 Actinolite</td><td>5 Other</td><td>5 Matrix</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>6 Crocidolite</td><td>6 Wollastonite</td><td>6 Perlite</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>0 None Detected</td><td>7 Hair</td><td>7 Other</td><td></td><td></td><td></td></tr></table> | | | 1 Wavy | 1 Low | 1 Parallel | 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 Straight | 2 Med | 2 Symmetric | 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min. Wool | 3 Gypsum | 3 High | 3 Oblique | 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| 1 Wavy | 1 Low | 1 Parallel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | 2 Straight | 2 Med | 2 Symmetric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min. Wool | 3 Gypsum | | | | 3 High | 3 Oblique | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non-Fibrous Type | Non-Fibrous % | # Layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS 869601 | | 1 | | 1- <1 | | | 1 | 80 | | 154 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | B | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS 725601 | | 1 | | 1- 2 ⁷⁰ | | | 1 | 80 | | 154 | 155 | 171 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | 6- <1 | | | 7 | 18 | | M | S | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | B | E | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS 562601 | | 1 | | 1- <1 | | | 1 | 80 | | 154 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | P | B | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ↓ G02 | | 1 | | 1- <1 | | | 1 | 80 | | 154 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | P | B | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS 532601 | | 1 | | ND | | | 1 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | P | B | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ↓ G02 | | 1 | | 1- <1 | | | 1 | 80 | | 154 | 155 | 171 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | 6- <1 | | | 7 | 20 | | M | S | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | B | E | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ↓ G03 | | 1 | | ND | | | 1 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | P | B | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS 630601 | | 1 | | ND | | | 1 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | P | B | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Analyst

Date

7/17/97

Computer

Date

**OFFICIAL
CHAIN OF CUSTODY RECORD**

| PROJ NO 020601RAG1 | | PROJECT NAME Westbank Asbestos Site | | | | NO OF CON TAINERS | | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PLM (ASBESTOS)</div> | | | | | | | | | | REMARKS | |
|--|------|--|------|--|------------------|-----------------------------|---|--|--|-------------------------|--|--|--|--|--|--|----------|---------|--|
| SAMPLERS (Signature) <i>Chin-Sun, Barbara Storey, Maggiori, [Signature]</i> | | | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | | | |
| WBS869 601 | 7-15 | 0911 | X | | (b) (6) | | X | | | | | | | | | | 6-002548 | | |
| WBS869 601 | ↓ | 1125 | X | | (b) (6) | | X | | | | | | | | | | 6-003609 | | |
| WBS869 601 | ↓ | 1155 | X | | (b) (6) | | X | | | | | | | | | | 6-003610 | | |
| WBS869 601 | ↓ | 1158 | X | | (b) (6) | | X | | | | | | | | | | 6-003611 | | |
| WBS869 601 | ↓ | 1458 | X | | (b) (6) | | X | | | | | | | | | | 6-002599 | | |
| WBS869 601 | ↓ | 1450 | X | | (b) (6) | | X | | | | | | | | | | 6-002600 | | |
| WBS869 601 | ↓ | 1455 | X | | (b) (6) | | X | | | | | | | | | | 6-002547 | | |
| WBS869 601 | ↓ | 1640 | X | | (b) (6) | | X | | | | | | | | | | 6-003612 | | |
| <div style="font-size: 2em; transform: rotate(-15deg); opacity: 0.5;">Maggiori</div> | | | | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) <i>Maggiori</i> | | Date / Time 7-15-97 1100 | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | | | | | | | |
| Shipped by <i>Fedex</i> | | | | Airbill Number <i>3963750437</i> | | | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Friday July 18 1997

Ref Number IN97520

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS405G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS405G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS405G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS405G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS564G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS553G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips
Margaret Phillips
Analyst

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Larry Roedl
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Friday July 18 1997

Ref Number IN97520

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS567G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 1% Chrysotile 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS567G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS634G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS630G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS868G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/17/97
Date/Time Due 7/18/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97520

Project 020601 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|------------------|-------------------------|----------------------|--|
| 1 Brown | 6 Vanous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 W 2 S 3 Specify | 1 L 2 M 3 High | 1 Parallel 2 Symmetric 3 Oblique |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non-Fibrous Type | Non-Fibrous % | # Layers | |
| WBS 405601 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |
| WBS 405602 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |
| WBS 405603 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} |
| | | 2 | 2 | | | | 7 | 20 | 1 ^M | 1 ^S |
| | | 1 | | | | | | | 2 ^B | 1 ^E |
| WBS 405604 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |
| WBS 564601 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |
| WBS 553601 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |
| WBS 567601 | | 1 | | 1- 1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- 1% | | | 7 | 18 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |
| WBS 567602 | | 1 | | 1- <1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^B | 1 ^E 11 |

Analyst Margaret Phillips Date 7/18/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/17/97
Date/Time Due 7/18/97 9 30 AM

TAT 1 Day

2

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97520

Project 020601 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|--|---|---------------------------------------|---|---|--|--|---|---|----------|--------------------|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Varous 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#) | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 10 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | <div> <div>1 M 2 W 3 S</div> <div>1 S 2 M</div> <div>1 P 2 B 3 E</div> </div> | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | Optical Properties |
| WBS634G01 | | 1 | | 1- <1% | | | 1 | 80 | | 1 54 1 55 1 71 1 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 P 1 B 1 E 1 1 1 |
| WBS630G02 | | 1 | | 1- <1% | | | 1 | 80 | | 1 54 1 55 1 71 1 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | 2 P 1 B 1 E 1 1 1 |
| WBS 868G01 | | 1 | | 1- <1% | | | 1 | 80 | | 1 54 1 55 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M 1 S |
| | | 1 | | | | | | | | 2 P 1 B 1 E |
| | | | | | | | | | | 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |

Analyst Margaret Phillips Date 7/18/97 Computer _____ Date _____

OFFICIAL
CHAIN OF CUSTODY RECORD

| PROJ NO | | PROJECT NAME | | | | NO OF CON TAINERS | | REMARKS | |
|-----------------------------|---------|-------------------|------|--|------------------|-----------------------------|---|-------------|-----------|
| 426501RAG1 | | Westbank Asbestos | | | | | | | |
| SAMPLERS (Signature) | | | | | | | | | |
| [Signature] | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | EPA Tag # |
| WBS 405501 | 7/16/97 | 0905 | X | | (b) (6) | 1 | X | | 6-003613 |
| WBS 405502 | | 0908 | X | | | 1 | X | | 6-003614 |
| WBS 405503 | | 0911 | X | | | 1 | X | | 6-003615 |
| WBS 405504 | | 0914 | X | | | 1 | X | | 6-003616 |
| WBS 564501 | | 1005 | X | | (b) (6) | 1 | X | | 6-002598 |
| WBS 553501 | | 1040 | X | | | 1 | X | | 6-002546 |
| WBS 601 | | 1145 | X | | | 1 | X | | 6-003617 |
| WBS 602 | | 1146 | X | | | 1 | X | | 6-003618 |
| WBS 634501 | | 1350 | X | | (b) (6) | 1 | X | | 6-002545 |
| WBS 630502 | | 1500 | X | | | 1 | X | | 6-002597 |
| WBS 641 | | 1545 | X | | | 1 | X | | 6-003619 |
| | | | | | | [Signature] | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | |
| [Signature] | | 7/16/97 1700 | | RLH 7/17/97 930 AM | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | |
| | | | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | |
| Shipped by Fed Ex | | | | Airbill Number 3905750314 | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files

Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Barbara Storey
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 23 1997

Ref Number IN97549

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS236G04 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 40% Quartz 60% Other |
| WBS236G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 40% Quartz 60% Other |
| WBS236G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 40% Quartz 60% Other |
| WBS236G05 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 40% Quartz 58% Other |
| WBS695G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 40% Quartz 60% Other |
| WBS1000G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

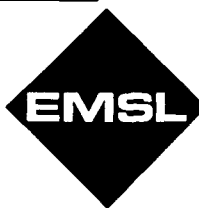

Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188 0)

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POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS1000G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS853G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS853G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS853G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS853G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS853G05 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

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Jane Wasilewski
Analyst


Approved
Signatory

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Wednesday July 23 1997

Ref Number IN97549

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS953G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 40% Quartz 60% Other |
| WBS516G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS516G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS516G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS516G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS818G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

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Baton Rouge LA 70816

Wednesday July 23 1997

Ref Number IN97549

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------------------|-----------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS818G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | None Detected | | 80% Quartz 20% Other | |
| WBS818G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS818G04 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | 80% Quartz 20% Other | |
| WBS818G05 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS1116G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other | |
| WBS1116G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | 1% Chrysotile 1% Crocidolite | | 80% Quartz 18% Other | |

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Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

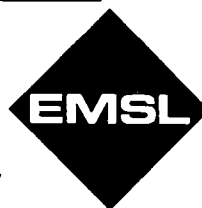

Margaret Phillips
Analyst


Approved
Signatory

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Attn Barbara Storey
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 23 1997

Ref Number IN97549

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAGI WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | <u>ASBESTOS</u> | | <u>NONASBESTOS</u> | |
|------------|----------|-------------------------------------|---------------------|-----------------|---------------------------|--------------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS1116G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |

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* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

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OFFICIAL CHAIN OF CUSTODY RECORD

pl 082

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

6- 000076

OFFICIAL
CHAIN OF CUSTODY RECORD

p. 2 of 2

| PROJ NO | | PROJECT NAME | | | | NO OF CON TAINERS | REMARKS | | | | | | | |
|-----------------------------|--------------|-------------------|-------------|------|--|----------------------------|---------|-----------------------------|--|---------|-------------|----------|-------------------------|--|
| 020601 RAG1 | | Westbank Asbestos | | | | | | | | | | | | |
| SAMPLERS (Signature) | | | | | | Asbestos (PLM) | | | | | | | | |
| [Signatures] | | | | | | | | | | | | | | |
| STA NO | DATE 1997 | TIME | COMP | GRAB | STATION LOCATION | EPA Tag | | | | | | | | |
| WBS 516 G01 | 7-21 | 1645 | X | | (b) (6) | 1 | X | | | | | 6-002589 | | |
| WBS 516 G02 | | 1650 | X | | | 1 | X | | | | | 6-002590 | | |
| WBS 516 G03 | | 1655 | X | | | 1 | X | | | | | 6-002591 | | |
| WBS 516 G04 | | 1700 | X | | | 1 | X | | | | | 6-002592 | | |
| WBS 818 G01 | 7-21 | 1700 | X | | (b) (6) | 1 | X | | | | | 6-002584 | | |
| WBS 818 G02 | | 1705 | X | | | 1 | X | | | | | 6-002588 | | |
| WBS 818 G03 | | 1710 | X | | | 1 | X | | | | | 6-002587 | | |
| WBS 818 G04 | | 1715 | X | | | 1 | X | | | | | 6-002586 | | |
| WBS 818 G05 | | 1720 | X | | | 1 | X | | | | | 6-002585 | | |
| WBS 1116 G01 | 7-21 | 1535 | X | | (b) (6) | 1 | X | | | | | 6-002593 | | |
| WBS 1116 G02 | | 1540 | X | | | 1 | X | | | | | 6-002595 | | |
| WBS 1116 G03 | | 1545 | X | | | 1 | X | | | | | 6-002596 | | |
| | | | | | | Maggieth | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | |
| | | | | | [Signature] 7/22/97 0930a - | | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | |
| | | | | | | | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received for Laboratory by (Signature) | | | Date / Time | | Remarks | | | | |
| Shipped by FedEx | | | | | Airbill Number 3903750351 | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/22/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/23/97 9 30 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN97549

Project 020601 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | | Non Fibrous | | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|--|-------------|--|-----------------------------------|---------------|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | | | | 1 Wavy 2 Straight 3 Specify | 1 Yes 2 No | 1 Parallel 2 Symmetric 3 Oblique |
| 2 Grey | 7 Black | 2 Non Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | Optical Properties | | |
|-------------|----------|------------|-----------|------------|--------------|-----------|------------------|---------------|----------|--------------------|-----|------|
| WBS 236604 | | 1 | | 1 - <1 | | | 1 | 40 | | 154 | 155 | 1.71 |
| | | 2 | 2 | 6 - <1 | | | 7 | 60 | | 1 M | 1 S | 2 |
| | | 1 | | | | | | | | P B E | | 1 1 |
| WBS 236602 | | 1 | | 1 - <1 | | | 1 | 40 | | 154 | 155 | 1.71 |
| | | 2 | 2 | 6 - <1 | | | 7 | 60 | | 1 M | 1 S | 2 2 |
| | | 1 | | | | | | | | P B E | | 1 1 |
| WBS 236603 | | 1 | | 1 - <1 | | | 1 | 40 | | 154 | 155 | 1.71 |
| | | 2 | 2 | 6 - <1 | | | 7 | 60 | | 1 M | 1 S | 2 2 |
| | | 1 | | | | | | | | P B E | | 1 1 |
| WBS 236605 | | 1 | | 1 - 2 | | | 1 | 40 | | 154 | 155 | 1.71 |
| | | 2 | 2 | 6 - <1 | | | 7 | 58 | | 1 M | 1 S | 2 |
| | | 1 | | | | | | | | P B E | | 1 1 |
| WBS 695601 | | 1 | | 1 - <1 | | | 1 | 40 | | 154 | 155 | |
| | | 2 | 2 | | | | 7 | 60 | | 1 M | 1 S | |
| | | 1 | | | | | | | | P B E | | |
| WBS 1600601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 | 155 | |
| | | 2 | 2 | | | | 7 | 20 | | 1 M | 1 S | |
| | | 1 | | | | | | | | P B E | | |
| ↓ 602 | | 1 | | ND | | | 1 | 80 | | | | 11 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M | 1 S | |
| | | 1 | | | | | | | | P B E | | |
| WBS 853601 | | 1 | | ND | | | 1 | 80 | | | | 11 |
| | | 2 | 2 | | | | 7 | 20 | | 1 M | 1 S | |
| | | 1 | | | | | | | | P B E | | |

Analyst

Date

7/23/97

Computer

Date

PLM Analysis Worksheet

3

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/22/97
Date/Time Due 7/23/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97549

Project 020601 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|-------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|--------------------|-------------------------------|-----------------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 W. vy | 1 | 1 |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 Straight | 2 | 2 |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | 3 Specify | 3 | 3 |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non-Fibrous Type | % | # Layers | |
| WBS 516 G01 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E 111 |
| WBS 516 G02 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E 111 |
| WBS 516 G03 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E 111 |
| WBS 516 G04 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} |
| | | 2 | 2 | | | | 7 | 20 | 1 ^M | 1 ^S |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E |
| WBS 818 G01 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} |
| | | 2 | 2 | | | | 7 | 20 | 1 ^M | 1 ^S |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E |
| WBS 818 G02 | | 1 | | NO | | | 1 | 80 | | II |
| | | 2 | 2 | | | | 7 | 20 | | M S |
| | | 1 | | | | | | | P B | E |
| WBS 818 G03 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E 111 |
| WBS 818 G04 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 ^{II} |
| | | 2 | 2 | | | | 7 | 20 | 1 ^M | 1 ^S |
| | | 1 | | | | | | | 2 ^P 1 ^B | 1 ^E |

Analyst Margaret Phillips Date 7/23/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/22/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/23/97 9 30 AM

4

Fax (504) 363 4732

Special Handling

Billing Number

IN97549

Project 020601 RAGI WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non-Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|---|----------|--------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div> <div>1 Wavy</div> <div>2 Straight</div> <div>3 Specify</div> </div> <div> <div>1 Low</div> <div>2 Med</div> <div>3 High</div> </div> <div> <div>1 Parallel</div> <div>2 Symmetric</div> <div>3 Oblique</div> </div> | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | 4 Layers (#) | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS818605 | | 1 | | 1-4% | | | 1 | 80 | | 154 1.55 171 |
| | | 2 | 2 | 6-1% | | | 7 | 20 | | M 1 S 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS1116601 | | 1 | | 1-1% | | | 1 | 80 | | 154 1.55 171 |
| | | 2 | 2 | 6-1% | | | 7 | 20 | | M 1 S 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS1116602 | | 1 | | 1-1% | | | 1 | 80 | | 154 1.55 171 |
| | | 2 | 2 | 6-1% | | | 7 | 18 | | M 1 S 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS1116603 | | 1 | | 1-1% | | | 1 | 80 | | 154 1.55 171 |
| | | 2 | 2 | 6-1% | | | 7 | 20 | | M 1 S 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | M S |
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| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |

Analyst Margaret S. Phillips Date 7/23/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 24 1997

Ref Number IN97558

POLARIZED LIGHT MICROSCOPY (PLM)

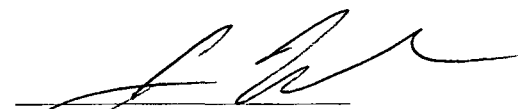
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS262G03R | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS407G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS1129G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% | Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other |
| WBS1129G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% | Chrysotile < 1% Crocidolite | | 80% Quartz 18% Other |
| WBS1051G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS1051G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

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Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 24 1997

Ref Number IN97558

POLARIZED LIGHT MICROSCOPY (PLM)

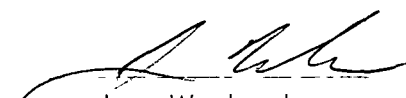
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS577G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS577G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS413G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS413G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/23/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/24/97 9 00 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN97558

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | | Non Fibrous | | Optical Properties | | |
|------------|-----------|---------------|-----------------|-----------------|------------------|-------------|-----------------|--|-------------|-----|--------------------|------|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 Wavy 2 Straight 3 Specify </div> <div> 1 Low 2 Med 3 High </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div> | | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | | |
| 4 White | 9 Blue | 4 Layers (#) | 4 Ashed | 4 Actinolite | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | | |
| 5 Red | 0 Orange | | | 5 Crocidolite | 5 Other | 5 Matrix | 5 Perlite | | | | | | |
| | | | | 6 Wollastonite | 6 Other | 6 Other | | | | | | | |
| | | | | 0 None Detected | | | | | | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Type | % | Type | % | # Layers | | | | |
| WBS262603R | | 1 | 2 | 1-2 | | | 1 | 80 | | 154 | 153 | H | |
| | | 2 | | | | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | | |
| WBS407601 | | 1 | 2 | ND | | | 1 | 80 | | | | | |
| | | 2 | | | | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | | |
| WBS1127601 | | 1 | 2 | 1-2 | | | 1 | 80 | | 154 | 153 | 1711 | |
| | | 2 | | 6-2 | | | 7 | 18 | | | | | |
| | | 1 | | | | | | | | | | | |
| ↓ 602 | | 1 | 2 | 1-2 | | | 1 | 80 | | 154 | 153 | 1711 | |
| | | 2 | | 6-2 | | | 7 | 18 | | | | | |
| | | 1 | | | | | | | | | | | |
| WBS1651601 | | 1 | 2 | 1-2 | | | 1 | 80 | | 154 | 153 | H | |
| | | 2 | | | | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | | |
| ↓ 602 | | 1 | 2 | ND | | | 1 | 80 | | | | | |
| | | 2 | | | | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | | |
| WBS577601 | | 1 | 2 | 1-2 | | | 1 | 80 | | 154 | 153 | 1711 | |
| | | 2 | | 6-2 | | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | | |
| ↓ 602 | | 1 | 2 | 1-2 | | | 1 | 80 | | 154 | 153 | | |
| | | 2 | | | | | 7 | 20 | | | | | |
| | | 1 | | | | | | | | | | | |

Analyst

Date

Computer

Date

PLM Analysis Worksheet

| | |
|----------------|---|
| Client | Ecology & Environmental |
| Address | 11550 New Castle Avenue Baton Rouge LA 70816 |

Logged 7/23/97
Date/Time Due 7/24/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97558

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | Treatment | Asbestos Results | Fibrous | | Non Fibrous | | # Layers | Optical Properties | | |
|--|--|---------------------------------------|---|---|--|---|-------------|----------|----------|-----------------------------------|------------------------|--|
| 1 Brown 2 Grey 3 Tan 4 White 5 Red | 6 Various 7 Black 8 Silver 9 Blue 0 Orange | 1 Fibrous 2 Non-Fibrous 3 Other | 1 Teased 2 Crushed 3 Dissolved 4 Ashed | 1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected | 1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair | 1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other | | | | 1 Wavy 2 Straight 3 Specify | 1 M 2 S | 1 Parallel 2 Symmetric 3 Oblique |
| | | | | | Type | % | Type | % | | | 1 Yes 2 No | 1 Low 2 Med 3 High |
| WBS413601 | | 1 2 1 | 2 | 1- < 1 6- < 1 | | | 1 7 | 80 20 | | 1 1/4 1 M 2 1 | 1 1/3 1 S 1 1 | 1 7/8 2 2 1 1 |
| WBS413602 | | 1 2 1 | 2 | 1- < 1 | | | 1 7 | 80 20 | | 1 1/4 1 M 2 1 | 1 1/3 1 S 1 1 | |
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Analyst

Date _____

2/24/97 Computer

Date _____

**OFFICIAL
CHAIN OF CUSTODY RECORD**

| | | | | | | | | | | | | | | | | |
|---|---------------------|--|-------------|--|-------------------------|--------------------------------------|--|--------------------|--|--------------------------------|--|--|--|---------------------|--|--|
| PROJ NO 028601RAG1 | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; text-align: center;"> Asbestos PLM </div> <div style="width: 60%; text-align: center;"> REMARKS </div> </div> | | | | | | | | | |
| SAMPLERS (Signature) <div style="display: flex; justify-content: space-between;"> Andy Thomas Christopher Green Deena Delalma Maggie Ann </div> | | | | | | | | | | | | | | | | |
| STA NO | DATE 1997 | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | |
| WBS 262 G01R | 7-22 | 0745 | X | | (b) (6) | 1 | X | | | | | | | EPA Tag 6-002565 | | |
| WBS 401 G01 | ↓ | 0915 | X | | (b) (6) | 1 | X | | | | | | | 6-003630 | | |
| WBS 1129 G01 | ↓ | 1025 | X | | (b) (6) | 1 | X | | | | | | | 6-002542 | | |
| WBS 1129 G02 | ↓ | 1030 | X | | (b) (6) | 1 | X | | | | | | | 6-002543 | | |
| WBS 1051 G01 | ↓ | 1110 | X | | (b) (6) | 1 | X | | | | | | | 6-003631 | | |
| WBS 1051 G02 | ↓ | 1112 | X | | (b) (6) | 1 | X | | | | | | | 6-003632 | | |
| WBS 577 G01 | ↓ | 1610 | X | | (b) (6) | 1 | X | | | | | | | 6-002580 | | |
| WBS 577 G02 | ↓ | 1615 | X | | (b) (6) | 1 | X | | | | | | | 6-002581 | | |
| WBS 413 G01 | ↓ | 1615 | X | | (b) (6) | 1 | X | | | | | | | 6-002583 | | |
| WBS 413 G02 | ↓ | 1617 | X | | (b) (6) | 1 | X | | | | | | | 6-002582 | | |
| WBS 577 G01 | ↓ | 1610 | X | | (b) (6) | 1 | X | | | | | | | 6-002580 | | |
| WBS 577 G02 | ↓ | 1615 | X | | (b) (6) | 1 | X | | | | | | | 6-002581 | | |
| Maggie Ann | | | | | | | | | | | | | | | | |
| Relinquished by (Signature) Maggie Ann | | Date / Time 7-22-97 1700 | | Received by (Signature) [Signature] 7/22/97 9 AM | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | | | | | | |
| Shipped by FedEx | | | | Airbill Number 3903750340 | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Friday July 25 1997

Ref Number IN97601
OK ID FOR PAYMENT

POLARIZED LIGHT MICROSCOPY (PLM)

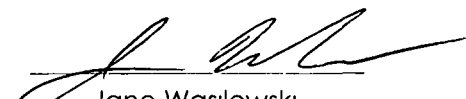
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS228G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS228G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS143G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |
| WBS1024G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 40% Quartz 60% Other |
| WBS1024G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 40% Quartz 60% Other |
| WBS126G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-----------------------------------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS432G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS432G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS406G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS406G02 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS1368G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile < 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS980G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Margaret Phillips
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Friday July 25 1997

Ref Number IN97601

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 - WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS980G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS980G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS980G04 | | Brown Non Fibrous Homogeneous | Crushed | 2% | Chrysotile Crocidolite | | 80% Quartz 18% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

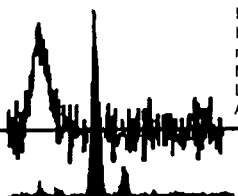
* NY samples also analyzed by ELAP 198 1 Method

Margaret S Phillips

Margaret Phillips
Analyst

Approved
Signatory

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1


TAT 1 Day

9 00 AM

Billing Number

IN97601

Project 020601 RAG1 WESTBANK ASBESTOS

Analyst  Date 7/25/97 Computer _____ Date _____

EMSL Analytical Inc 6330 E 75th St Suite 152 Indianapolis IN 46250

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/24/97
Date/Time Due 7/25/97 9 00 AM

TAT 1 Day

2

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97601

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | Treatment | Asbestos Results | | Fibrous | | Non-Fibrous | | Optical Properties | |
|------------|-----------|---------------|-----------------|------------------|-----------------|----------------|-----------------|-------------|----------|---|----------------------------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 Wavy | 1 S | <div> <div>1 Wavy</div> <div>2 Straight</div> <div>3 Bumpy</div> </div> <div> <div>1 Low</div> <div>2 Med</div> <div>3 High</div> </div> <div> <div>1 Parallel</div> <div>2 Perpendicular</div> <div>3 Oblique</div> </div> | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 No | 2 | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | 3 No | 3 | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | <div> <div>1 Low</div> <div>2 Med</div> <div>3 High</div> </div> <div> <div>1 Parallel</div> <div>2 Perpendicular</div> <div>3 Oblique</div> </div> | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Type | % | Type | % | # Layers | | |
| WBS432G02 | | 1 | | ND | | | 1 | 80 | | I | II |
| | | 2 | | | | | | | | M | S |
| | | 1 | 2 | | | | 7 | 20 | | P | B E |
| WBS406G01 | | 1 | | 1-2% | | | 1 | 80 | | 154 ^I | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 18 | | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E 11 |
| WBS406G02 | | 1 | | 1-2% | | | 1 | 80 | | 154 ^I | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 18 | | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E 11 |
| WBS3368G01 | | 1 | | 1-2% | | | 1 | 80 | | 154 ^I | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 18 | | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E 11 |
| WBS980G01 | | 1 | | 1- <1% | | | 1 | 80 | | 154 ^I | 155 ^{II} |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E |
| WBS980G02 | | 1 | | 1- <1% | | | 1 | 80 | | 154 ^I | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 20 | | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E 11 |
| WBS980G03 | | 1 | | 1- <1% | | | 1 | 80 | | 154 ^I | 155 ^{II} |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M | 1 ^S |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E |
| WBS980G04 | | 1 | | 1-2% | | | 1 | 80 | | 154 ^I | 155 ^{II} 171 |
| | | 2 | 2 | 6- <1% | | | 7 | 18 | | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | | 2 ^P | 1 ^B 1 ^E 11 |

Analyst Margaret S. Phelly Date 7/25/97 Computer _____ Date _____

Pg 1 of 2

EPA 7500-53
(11/96)

6- 08875

OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EPA 7500-53
(11/96)

6- 108873

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 28 1997

Ref Number IN97612
OK D For PARCENJ

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS124G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS124G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1023G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1023G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS816G01 | | Brown Non Fibrous Homogeneous | Crushed | 2% Chrysotile | | | 80% Quartz 18% Other |
| WBS816G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Margaret S. Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

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Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Monday July 28 1997

Ref Number IN97612

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS1030G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS414G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS414G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS398G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS578G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS801G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

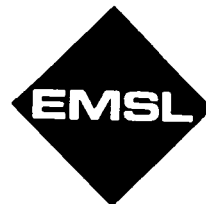
Margaret Phillips
Margaret Phillips
Analyst

Approved
Signatory

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Monday July 28 1997

Ref Number IN97612

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS374G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS374G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)

**OFFICIAL
CHAIN OF CUSTODY RECORD**

| | | | | | | | | | | | | | | | | | | |
|---|------|-----------------------------------|-----------------------------|------|---|--|----------------------------|-----------------------------|---|---------|-------------|--|-------------------------|--|--|--|----------|--|
| PROJ NO 020001RAG1 | | PROJECT NAME Westbank Asbestos | | | | | NO OF CON TAINERS | | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Asbestos (PLM)</div> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> | | | | | | | | | |
| SAMPLERS (Signature) <i>Maggie Jim / 1/17/97 / Christopher / Deena Del Palmo</i> | | | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | | |
| WBS124 G01 | 7-24 | 0954 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003633 | |
| WBS124 G02 | ↓ | 0957 | X | | ↓ | | 1 | X | | | | | | | | | 6-003634 | |
| WBS1023 G01 | 7-24 | 1040 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003699 | |
| WBS1023 G02 | 7-24 | 1043 | X | | ↓ | | 1 | X | | | | | | | | | 6-003679 | |
| WBS816 G01 | 7-24 | 1125 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003635 | |
| WBS816 G02 | 7-24 | 1130 | X | | ↓ | | 1 | X | | | | | | | | | 6-003637 | |
| WBS1030 G01 | 7-24 | 1150 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003638 | |
| WBS414 G01 | 7-24 | 1332 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003677 | |
| WBS414 G02 | 7-24 | 1336 | X | | ↓ | | 1 | X | | | | | | | | | 6-003678 | |
| WBS398 G01 | 7-24 | 1535 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003675 | |
| WBS578 G01 | 7-24 | 1625 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003639 | |
| WBS801 G01 | 7-24 | 1605 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-002579 | |
| WBS374 G01 | 7-24 | 1651 | X | | (b) (6) | | 1 | X | | | | | | | | | 6-003640 | |
| WBS374 G02 | 7-24 | 1658 | X | | ↓ | | 1 | X | | | | | | | | | 6-003641 | |
| | | | | | | | MLM | | | | | | | | | | | |
| Relinquished by (Signature) <i>Maggie Jim</i> | | | Date / Time 7-24-97 1730 | | Received by (Signature) <i>John</i> 7/25/97 9 AM | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | Received by (Signature) | | | | | |
| Relinquished by (Signature) | | | Date / Time | | Received for Laboratory by (Signature) | | | Date / Time | | Remarks | | | | | | | | |
| Shipped by <i>FedEx</i> | | | | | Airbill Number <i>3903750325</i> | | | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/25/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/28/97 9 00 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97612

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|-------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|-----------------------------------|--|--|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 Wavy 2 Straight 3 Specify | 1 S 2 | 1 Parallel 2 Symmetric 3 Oblique |
| 2 Grey | 7 Black | 2 Non Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | 4 Layers (#) | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | 1 Yes 2 Low Med 3 High | 1 Parallel 2 Symmetric 3 Oblique | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS 124601 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | 1 1 1 |
| WBS 124602 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | 1 1 1 |
| WBS 1023601 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | 1 1 1 |
| WBS 1023602 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | 1 1 1 |
| WBS 816601 | | 1 | | 1- 2% | | | 1 | 80 | 154 | 155 |
| | | 2 | 2 | | | | 7 | 18 | 1 ^M | 1 ^S |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | |
| WBS 816602 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | |
| WBS 1030601 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | |
| WBS 414601 | | 1 | | 1- < 1% | | | 1 | 80 | 154 | 155 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | 1 ^M | 1 ^S 2 |
| | | 1 | | | | | | | 2 ^P 1 ^B 1 ^E | |

Analyst Margaret S. Phillips Date 7/28/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/25/97

TAT 1 Day

2

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/28/97 9 00 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN97612

Project 020601 RAG1 WESTBANK ASBESTOS

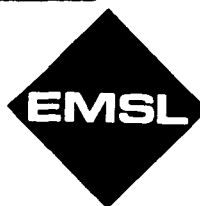
| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|-----------------|---|--|--|
| 1 Brown | 6 Vanous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 W. Vy. 2 Str. ght 3 Specif. </div> <div> 1 S 2 </div> <div> P B E 1 Yes 1 Low 1 Parallel 2 2 Med 2 Symmetric 3 H gh 3 Oblique </div> </div> | | |
| 2 Grey | 7 Black | 2 Non Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | Optical Properties |
|-----------|----------|------------|-----------|---------------------|--------------|-----------|------------------|---------------|----------|--|
| WBS414602 | | 1 | | 6- <1% | | | 1 | 80 | | 1.7 1.70 |
| | | 2 | 2 | | | | 7 | 20 | | 2 ^M 2 ^S |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS398601 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| WBS578601 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| WBS801601 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| WBS374601 | | 1 | | 1 1- <1% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| WBS374602 | | 1 | | 1- <1% | | | 1 | 80 | | 1.54 1.55 |
| | | 2 | 2 | | | | 7 | 20 | | 1 ^M 1 ^S |
| | | 1 | | | | | | | | 2 ^P 1 ^B 1 ^E |
| | | | | | | | | | | P B E |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |
| | | | | | | | | | | I |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |

Analyst Margaret S. Phillips Date 7/28/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday July 29 1997

Ref Number IN97620

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|-----------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS739G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 40% Quartz 60% Other |
| WBS739G02 | | Brown Non Fibrous Homogeneous | Crushed | | < 1% Chrysotile | | 40% Quartz 60% Other |
| WBS739G03 | | Brown Non Fibrous Homogeneous | Crushed | | < 1% Chrysotile | | 70% Quartz 30% Other |
| WBS739G04 | | Brown Non Fibrous Homogeneous | Crushed | | 2% Chrysotile | | 80% Quartz 18% Other |
| WBS739G05 | | Brown Non Fibrous Homogeneous | Crushed | | 2% Chrysotile | | 80% Quartz 18% Other |
| WBS739G06 | | Brown Non Fibrous Homogeneous | Crushed | | 2% Chrysotile | | 80% Quartz 18% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski
Analyst

Approved
Signatory

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Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday July 29 1997

Ref Number IN97620

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|--------------|---------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS NONFIBROUS |
| WBS739G07 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS739G08 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS412G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS412G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS520G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |
| WBS1116G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% < 1% | Chrysotile Crocidolite | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
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* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday July 29 1997

Ref Number IN97620

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS |
| WBS1116G05 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS595G01 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS595G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

Project - ml
7-25-97
P2067

| PROJ NO 020601RAG1 | | PROJECT NAME Westham Asbestos | | | NO OF CON TAINERS | REMARKS asbestos (PLM) | | | | | | | | | | |
|--|------|----------------------------------|------|------|----------------------------|-------------------------------|---|--|--|--|--|--|--|--|--|----------|
| SAMPLERS (Signature) 4/4/97 [Signature] / Deena dePalma / [Signature] | | | | | | | | | | | | | | | | |
| STA NO | DATE | TIME | COMP | GRAB | STATION LOCATION | EPA Tag # | | | | | | | | | | |
| WBS734 G01 | 7-25 | 0940 | X | | (b) (6) | 1 | X | | | | | | | | | 6-003642 |
| WBS734 G02 | | 0943 | X | | | 1 | X | | | | | | | | | 6-003643 |
| WBS734 G03 | | 0946 | X | | | 1 | X | | | | | | | | | 6-003644 |
| WBS734 G04 | | 0949 | X | | | 1 | X | | | | | | | | | 6-003645 |
| WBS734 G05 | | 0951 | X | | | 1 | X | | | | | | | | | 6-003646 |
| WBS734 G06 | | 0953 | X | | | 1 | X | | | | | | | | | 6-003647 |
| WBS734 G07 | | 0955 | X | | | 1 | X | | | | | | | | | 6-003648 |
| WBS734 G08 | | 0957 | X | | | 1 | X | | | | | | | | | 6-003649 |
| WBS412 G01 | | 1041 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002512 |
| WBS412 G02 | | 1043 | X | | | 1 | X | | | | | | | | | 6-002513 |
| WBS520 G04 | 7-25 | 1114 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002514 |
| WBS116 G01 | 7-25 | 1335 | X | | | 1 | X | | | | | | | | | 6-002515 |
| WBS116 G02 | 7-25 | 1340 | X | | | 1 | X | | | | | | | | | 6-002516 |
| WBS116 G03 | | 1530 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002517 |
| WBS116 G04 | | 1535 | X | | | 1 | X | | | | | | | | | 6-002518 |

| | | | | | |
|--|-------------------------------|--|-----------------------------|-------------|-------------------------|
| Relinquished by (Signature) [Signature] | Date / Time 7-25-97 / 1730 | Received by (Signature) | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received by (Signature) | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received for Laboratory by (Signature) | Date / Time | Remarks | |
| Shipped by Fed EX | | Airbill Number 390124122-5 ml | # 519721 950 | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816
Fax (504) 363 - 4732

Logged 7/28/97
Date/Time Due 7/29/97 9 00 AM

TAT 1 Day

Special Handling

Billing Number

IN97620

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|--------------------|------------|-----------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 W | 1 M | 1 S |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 Sample | 2 L | 2 S |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | 3 Spec. H | 3 Parallel | 3 Oblique |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | Optical Properties |
|------------|----------|-------------|-----------|------------|--------------|-----------|------------------|---------------|----------|--------------------|
| WBS 739601 | | 1 2 1 | 2 | ND | | | 1 7 | 40 60 | | 1 M P B E |
| G02 | | 1 2 1 | 2 | 1-21 | | | 1 7 | 40 60 | | 154 M P B E |
| G03 | | 1 2 1 | 2 | 1-21 | | | 1 7 | 70 30 | | 154 M P B E |
| G04 | | 1 2 1 | 2 | 1-2 | | | 1 7 | 80 18 | | 154 M P B E |
| G05 | | 1 2 1 | 2 | 1-2 | | | 1 7 | 80 18 | | 154 M P B E |
| G06 | | 1 2 1 | 2 | 1-2 | | | 1 7 | 80 18 | | 154 M P B E |
| G07 | | 1 2 1 | 2 | 1-21 | | | 1 7 | 80 20 | | 154 M P B E |
| G08 | | 1 2 1 | 2 | 1-21 | | | 1 7 | 80 20 | | 154 M P B E |

Analyst [Signature] Date 7/29/97 Computer _____ Date _____

PLM Analysis Worksheet

Client **Ecology & Environmental**
Address **11550 New Castle Avenue**
Baton Rouge LA 70816

Logged **7/28/97**
Date/Time Due **7/29/97 9 00 AM**

TAT **1 Day**

Fax **(504) 363 4732**


Special Handling

Billing Number

IN97620

Project **020601 RAG1 WESTBANK ASBESTOS**

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|---|----------|---------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 W 1 2 V 2 3 Specify 1 Low 2 Med 3 High 1 Parallel 2 Symmetric 3 Oblique | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | |
| WBS412601 | | 1 | | ND | | | 1 | 80 | | I II |
| | | 2 | 2 | | | | 7 | 20 | | M S |
| | | 1 | | | | | | | | P B E |
| V 602 | | 1 | | ND | | | 1 | 80 | | I II |
| | | 2 | 2 | | | | 7 | 20 | | M S |
| | | 1 | | | | | | | | P B E |
| WBS520604 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 170 1 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS1116604 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS1116605 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| WBS575601 | | 1 | | ND | | | 1 | 80 | | I II |
| | | 2 | 2 | | | | 7 | 20 | | M S |
| | | 1 | | | | | | | | P B E |
| V 602 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 155 171 1 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 M 1 S 2 2 |
| | | 1 | | | | | | | | P B E 1 1 1 |
| | | | | | | | | | | I II |
| | | | | | | | | | | M S |
| | | | | | | | | | | P B E |

Analyst  Date 7/29/97 Computer _____ Date _____

EMSL Analytical, Inc.

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Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Deena DePalma
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 30 1997

Ref Number IN97633

POLARIZED LIGHT MICROSCOPY (PLM)

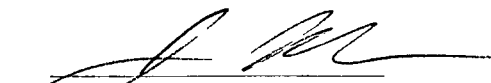
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS298G06 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS1015G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1015G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS584G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS584G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS354G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Baton Rouge LA 70816

Wednesday July 30 1997

Ref Number IN97633

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS |
| WBS354G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS354G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS354G04 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS355G01 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS355G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS355G03 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

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Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 30 1997

Ref Number IN97633

POLARIZED LIGHT MICROSCOPY (PLM)

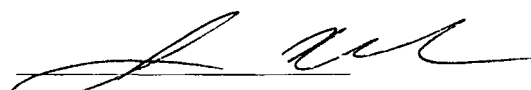
Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS401G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS401G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS843G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS364G01 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS364G02 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |
| WBS364G03 | | Brown Non Fibrous Homogeneous | Crushed | None Detected | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday July 30 1997

Ref Number IN97633

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS364G04 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

OFFICIAL
CHAIN OF CUSTODY RECORD

1 of 2

| PROJ NO | | PROJECT NAME | | NO OF CONTAINERS | | REMARKS | | | | | | | | | | | |
|--|-----------|-------------------|--------------|------------------|------------------|--|---|--|-----------------------------|--|--|-------------|--|--|-------------------------|----------|--|
| 020601RAG1 | | Westbank Asbestos | | | | | | | | | | | | | | | |
| SAMPLERS (Signature) | | | | | | | | | | | | | | | | | |
| Alma Rullera / [Signature] / Deena DePalma | | | | | | | | | | | | | | | | | |
| STA NO | DATE 1997 | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | | |
| WBS298606 | 7-28-97 | 0918 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002519 | |
| WBS101560 | 7-28 | 0959 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002520 | |
| WBS105602 | 7-28 | 1002 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002521 | |
| WBS58460 | 7-28 | 1036 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002522 | |
| WBS584602 | 7-28 | 1047 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002523 | |
| WBS354 G01 | | 1240 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002524 | |
| WBS354 G02 | | 1245 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002525 | |
| WBS354 G03 | | 1250 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002526 | |
| WBS354 G04 | | 1255 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002527 | |
| WBS355 G01 | | 1300 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002528 | |
| WBS355 G02 | | 1305 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002529 | |
| WBS355 G03 | | 1310 | X | | (b) (6) | 1 | X | | | | | | | | | 6-002530 | |
| WBS 401 G01 | 7-28 | 1405 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002531 | |
| WBS 401 G02 | 7-28 | 1408 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002532 | |
| WBS 403 G01 | 7-28 | 1430 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002533 | |
| Relinquished by (Signature) | | | Date / Time | | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | | Received by (Signature) | | |
| | | | 7-28-97 1640 | | | | | | | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | | Received by (Signature) | | | Relinquished by (Signature) | | | Date / Time | | | Received by (Signature) | | |
| Deena DePalma | | | 7-28-97 1640 | | | | | | | | | | | | | | |
| Relinquished by (Signature) | | | Date / Time | | | Received for Laboratory by (Signature) | | | Date / Time | | | Remarks | | | | | |
| Shipped by Fed Ex | | | | | | Airbill Number 5197211961 | | | | | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

OFFICIAL CHAIN OF CUSTODY RECORD

2 of 2

| PROJ NO | | PROJECT NAME | | | | NO OF CON TAINERS | <div style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">Asbestos (PLM)</div> <div style="margin-top: 20px;">REMARKS</div> </div> | | | | | | | | | |
|--|--------------|--------------|------|------|------------------|----------------------------|--|--|--|--|--|--|--|--|--|----------|
| SAMPLERS (Signature) | | | | | | | | | | | | | | | | |
| STA NO | DATE 1997 | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | |
| WB5364 G01 | 7-28 | 1510 | ✓ | | (b) (6) | 1 | ✓ | | | | | | | | | 6-002534 |
| WB5364 G02 | 7-28 | 1514 | ✓ | | | 1 | ✓ | | | | | | | | | 6-002535 |
| WB5364 G03 | 7-28 | 1517 | ✓ | | | 1 | ✓ | | | | | | | | | 6-002536 |
| WB5364 G04 | 7-28 | 1520 | ✓ | | | 1 | ✓ | | | | | | | | | 6-002537 |
| <div style="transform: rotate(-30deg); display: inline-block;"> Deena DePalma 7-28-97 </div> | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------------------|--|--------------|--|--|--|-----------------------------|--|-------------|--|-------------------------|--|
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| | | 7-28-97 1640 | | | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received by (Signature) | | Relinquished by (Signature) | | Date / Time | | Received by (Signature) | |
| Deena DePalma | | 7-28-97 1640 | | | | | | | | | |
| Relinquished by (Signature) | | Date / Time | | Received for Laboratory by (Signature) | | Date / Time | | Remarks | | | |
| | | | | | | | | | | | |
| Shipped by Fed Ex | | | | Airbill Number 519721196 | | | | | | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/29/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/30/97 9 45 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97633

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|---------------|------------------|----------------|------------------|---|----------|---------------------------------------|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 W v v 2 Straight 3 Specify </div> <div> 1 S 2 3 </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 1 P 2 M 3 B </div> <div> 1 Low 2 Med 3 High </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div> | | |
| 2 Grey | 7 Black | 2 Non Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | % | Non Fibrous Type | % | # Layers | |
| WBS298606 | | 1 2 1 | 2 | ND | | | 1 7 | 80 20 | | |
| WBS1015601 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |
| ✓ 602 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |
| WBS584601 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |
| ✓ 602 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |
| WBS354601 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |
| ✓ 602 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |
| ✓ 603 | | 1 2 1 | 2 | 1- 6- 1 | | | 1 7 | 80 20 | | 154 155 171 1 M 1 S 2 2 P 1 E 1 |

Analyst [Signature] Date 7/30/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/29/97
Date/Time Due 7/30/97 9 45 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN97633

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | | Fibrous | Non Fibrous | Optical Properties | | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|------------------|---|--------------------|-----|-----|-----|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | <div style="display: flex; justify-content: space-between;"> <div> 1 Worn 2 Stripped 3 Spacing </div> <div> 1 S 2 3 </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div> | | | | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | | | | | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | | | | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | | | |
| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non-Fibrous Type | Non-Fibrous % | # Layers | | | |
| WBS 354604 | | 1 | | ND | | | 1 | 80 | | I | II | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | |
| | | 1 | | | | | | | | P | B | E |
| WBS355601 | | 1 | | ND | | | 1 | 80 | | I | II | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | |
| | | 1 | | | | | | | | P | B | E |
| G02 | | 1 | | ND | | | 1 | 80 | | I | II | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | |
| | | 1 | | | | | | | | P | B | E |
| ↓ G03 | | 1 | | ND | | | 1 | 80 | | I | II | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | |
| | | 1 | | | | | | | | P | B | E |
| WBS 401601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 | 155 | 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 | M | S |
| | | 1 | | | | | | | | 2 | P | E |
| ↓ G02 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 | 155 | 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 | M | S |
| | | 1 | | | | | | | | 2 | P | E |
| WBS 843601 | | 1 | | 1 - <1 | | | 1 | 80 | | 154 | 155 | 171 |
| | | 2 | 2 | 6 - <1 | | | 7 | 20 | | 1 | M | S |
| | | 1 | | | | | | | | 2 | P | E |
| WBS 364601 | | 1 | | ND | | | 1 | 80 | | I | II | |
| | | 2 | 2 | | | | 7 | 20 | | M | S | |
| | | 1 | | | | | | | | P | B | E |

Analyst

Date

7/30/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environmental

Logged 7/29/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 7/30/97 9 45 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN97633

Project 020601 RAG1 WESTBANK ASBESTOS

[illegible]

Analyst

Date _____

Computer

Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Gregory R Day
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 31 1997

Ref Number IN97642

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|------------|----------|-------------------------------------|---------------------|-------------------------------------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS703G01 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS1055G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS1055G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS616G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS616G02 | | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS596G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Gregory R Day
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 31 1997

Ref Number IN97642

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|-------------------------------------|---------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS596G02 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | | None Detected | | 80% Quartz 20% Other |
| WBS899G01 | | Brown Non Fibrous Homogeneous | Crushed | 1% Chrysotile 1% Crocidolite | | | 80% Quartz 18% Other |
| WBS899G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS899G03 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile < 1% Crocidolite | | | 80% Quartz 20% Other |
| WBS964G01 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |
| WBS964G02 | | Brown Non Fibrous Homogeneous | Crushed | < 1% Chrysotile | | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

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EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Gregory R Day
Ecology & Environmental
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday July 31 1997

Ref Number IN97642

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project 020601 RAG1 WESTBANK ASBESTOS

| SAMPLE | LOCATION | APPEARANCE | SAMPLE TREATMENT | ASBESTOS | | NONASBESTOS | |
|-----------|----------|-------------------------------------|---------------------|----------|--------------------------------|-------------|-------------------------|
| | | | | % | TYPE | % | FIBROUS % NONFIBROUS |
| WBS964G03 | (b) (6) | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS964G04 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile | | 80% Quartz 20% Other |
| WBS964G05 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |
| WBS964G06 | | Brown Non Fibrous Homogeneous | Crushed | < 1% | Chrysotile < 1% Crocidolite | | 80% Quartz 20% Other |

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips
Margaret Phillips
Analyst

[Signature]
Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/30/97
Date/Time Due 7/31/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97642

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|-----------|---------------|-----------------|-------------|------------------|----------------|-----------------|--------------------|-----|-----|
| 1 Brown | 6 Various | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 P | 1 B | 1 E |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 Y | 2 L | 2 S |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min Wool | 3 Gypsum | 3 N | 3 M | 3 S |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | P | B | E |
|------------|----------|------------|-----------|------------|--------------|-----------|------------------|---------------|----------|------|------|-----|
| WBS703601 | | 1 | | ND | | | 1 | 80 | | | | |
| | | 2 | | | | | 7 | 20 | | | | |
| | | 1 | 2 | | | | | | | | | |
| WBS1055601 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | | | | |
| | | 1 | | | | | | | | | | |
| WBS1055602 | | 1 | | ND | | | 1 | 80 | | | | |
| | | 2 | | | | | 7 | 20 | | | | |
| | | 1 | 2 | | | | | | | | | |
| WBS616601 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | | | | |
| | | 1 | | | | | | | | | | |
| WBS616602 | | 1 | | ND | | | 1 | 80 | | | | |
| | | 2 | | | | | 7 | 20 | | | | |
| | | 1 | 2 | | | | | | | | | |
| WBS596601 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | 2 | 6- < 1% | | | 7 | 20 | | | | |
| | | 1 | | | | | | | | | | |
| WBS596602 | | 1 | | ND | | | 1 | 80 | | | | |
| | | 2 | | | | | 7 | 20 | | | | |
| | | 1 | 2 | | | | | | | | | |
| WBS899601 | | 1 | | 1- 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | 2 | 6- 1% | | | 7 | 18 | | | | |
| | | 1 | | | | | | | | | | |

Analyst Margaret Phelps Date 7/31/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environmental
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 7/30/97
Date/Time Due 7/31/97 9 30 AM

TAT 1 Day

2

Fax (504) 363 4732

Special Handling

Billing Number

IN97642

Project 020601 RAG1 WESTBANK ASBESTOS

| Appearance | | | | Treatment | Asbestos Results | Fibrous | Non Fibrous | Optical Properties | | |
|------------|----------|---------------|-----------------|-------------|------------------|----------------|-----------------|--------------------|-----|--|
| 1 Brown | 6 Vanous | 1 Fibrous | 1 Homogeneous | 1 Teased | 1 Chrysotile | 1 Cellulose | 1 Quartz | 1 W v | 1 S | |
| 2 Grey | 7 Black | 2 Non-Fibrous | 2 Heterogeneous | 2 Crushed | 2 Amosite | 2 Glass | 2 Mica | 2 Straigh | 2 | |
| 3 Tan | 8 Silver | 3 Other | 3 Other | 3 Dissolved | 3 Anthophyllite | 3 Min. Wool | 3 Gypsum | 3 Specif | | |
| 4 White | 9 Blue | | 4 Layers (#) | 4 Ashed | 4 Tremolite | 4 Synthetic | 4 Cal Carbonate | | | |
| 5 Red | 0 Orange | | | | 5 Actinolite | 5 Other | 5 Matrix | | | |
| | | | | | 6 Crocidolite | 6 Wollastonite | 6 Perlite | | | |
| | | | | | 0 None Detected | 7 Hair | 7 Other | | | |

| Sample | Location | Appearance | Treatment | % ASBESTOS | Fibrous Type | Fibrous % | Non Fibrous Type | Non Fibrous % | # Layers | P | B | E |
|------------|----------|------------|-----------|------------|--------------|-----------|------------------|---------------|----------|----------------|----------------|--------------------|
| WBS 899602 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | | 6- < 1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E 111 |
| WBS 899603 | | 1 | | 1- 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | | 6- 1% | | | 7 | 18 | | 1 ^M | 1 ^S | 2 |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E 11 |
| WBS 964601 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | |
| | | 2 | | | | | 7 | 20 | | 1 ^M | 1 ^S | |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS 964602 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | |
| | | 2 | | | | | 7 | 20 | | 1 ^M | 1 ^S | |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS 964603 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | |
| | | 2 | | | | | 7 | 20 | | 1 ^M | 1 ^S | |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS 964604 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | |
| | | 2 | | | | | 7 | 20 | | 1 ^M | 1 ^S | |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E |
| WBS 964605 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | | 6- < 1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E 11 |
| WBS 964606 | | 1 | | 1- < 1% | | | 1 | 80 | | 1.54 | 1.55 | 171 |
| | | 2 | | 6- < 1% | | | 7 | 20 | | 1 ^M | 1 ^S | 2 |
| | | 1 | 2 | | | | | | | 2 ^P | 1 ^B | 1 ^E 11 |

Analyst

Margaret S. Phillips

Date

7/31/97

Computer

Date

**OFFICIAL
CHAIN OF CUSTODY RECORD**

1 OF 2

| PROJ NO 020601 RAG1 | | PROJECT NAME Westbank Asbestos | | | | NO OF CON TAINERS | REMARKS | | | | | | | | | |
|--|--------------|-----------------------------------|------|------|------------------|----------------------------|-----------|--|--|--|--|--|--|--|----------|--|
| SAMPLERS (Signature) <i>Alma Riller</i> <i>Reena Defalme</i> | | | | | | | EPA Tag # | | | | | | | | | |
| STA NO | DATE 1997 | TIME | COMP | GRAB | STATION LOCATION | | | | | | | | | | | |
| WB5703 G01 | 07-29 97 | 0916 | X | | (b) (6) | 1 | X | | | | | | | | 6-002538 | |
| WB51055 G01 | 7-29-97 | 1132 | X | | (b) (6) | 1 | X | | | | | | | | 6-002539 | |
| WB51055 G02 | 7-29-97 | 1137 | X | | (b) (6) | 1 | X | | | | | | | | 6-002540 | |
| WB5616 G01 | 7-29 | 1400 | X | | (b) (6) | 1 | X | | | | | | | | 6-002544 | |
| WB5616 G02 | 7-29 | 1405 | X | | (b) (6) | 1 | X | | | | | | | | 6-002551 | |
| WB5596 G01 | 7-29 | 1542 | X | | (b) (6) | 1 | X | | | | | | | | 6-002553 | |
| WB5596 G02 | 7-29 | 1552 | X | | (b) (6) | 1 | X | | | | | | | | 6-002554 | |
| WB5599 G01 | | 1639 | X | | (b) (6) | 1 | X | | | | | | | | 6-002555 | |
| WB5599 G02 | | 1645 | X | | (b) (6) | 1 | X | | | | | | | | 6-002556 | |
| WB5599 G03 | | 1650 | X | | (b) (6) | 1 | X | | | | | | | | 6-002557 | |
| WB5964 G01 | 7-29 | 1625 | | | (b) (6) | 1 | X | | | | | | | | 6-003650 | |
| WB5964 G02 | | 1630 | | | (b) (6) | 1 | X | | | | | | | | 6-003671 | |
| WB5964 G03 | | 1635 | | | (b) (6) | 1 | X | | | | | | | | 6-003672 | |
| WB5964 G04 | | 1648 | | | (b) (6) | 1 | X | | | | | | | | 6-003673 | |
| WB5964 G05 | | 1643 | | | (b) (6) | 1 | X | | | | | | | | 6-003674 | |

| | | | | | | |
|---|-----------------------------|---|--------------------------------|-----------------------------|-------------|-------------------------|
| Relinquished by (Signature) <i>[Signature]</i> | Date / Time 7/29/97 1718 | Received by (Signature) <i>[Signature]</i> | Date / Time 7/30/97 9 30 AM | Relinquished by (Signature) | Date / Time | Received by (Signature) |
| Relinquished by (Signature) | Date / Time | Received by (Signature) | Date / Time | Relinquished by (Signature) | Date / Time | Received by (Signature) |

| | | | | |
|-----------------------------|-------------|--|-------------|---------|
| Relinquished by (Signature) | Date / Time | Received for Laboratory by (Signature) | Date / Time | Remarks |
| Shipped by FED-EX | | Airbill Number 5197211994 | | |

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

$2 \text{ of } 21$

EPA 7500-53
(11/96)

6- 088832